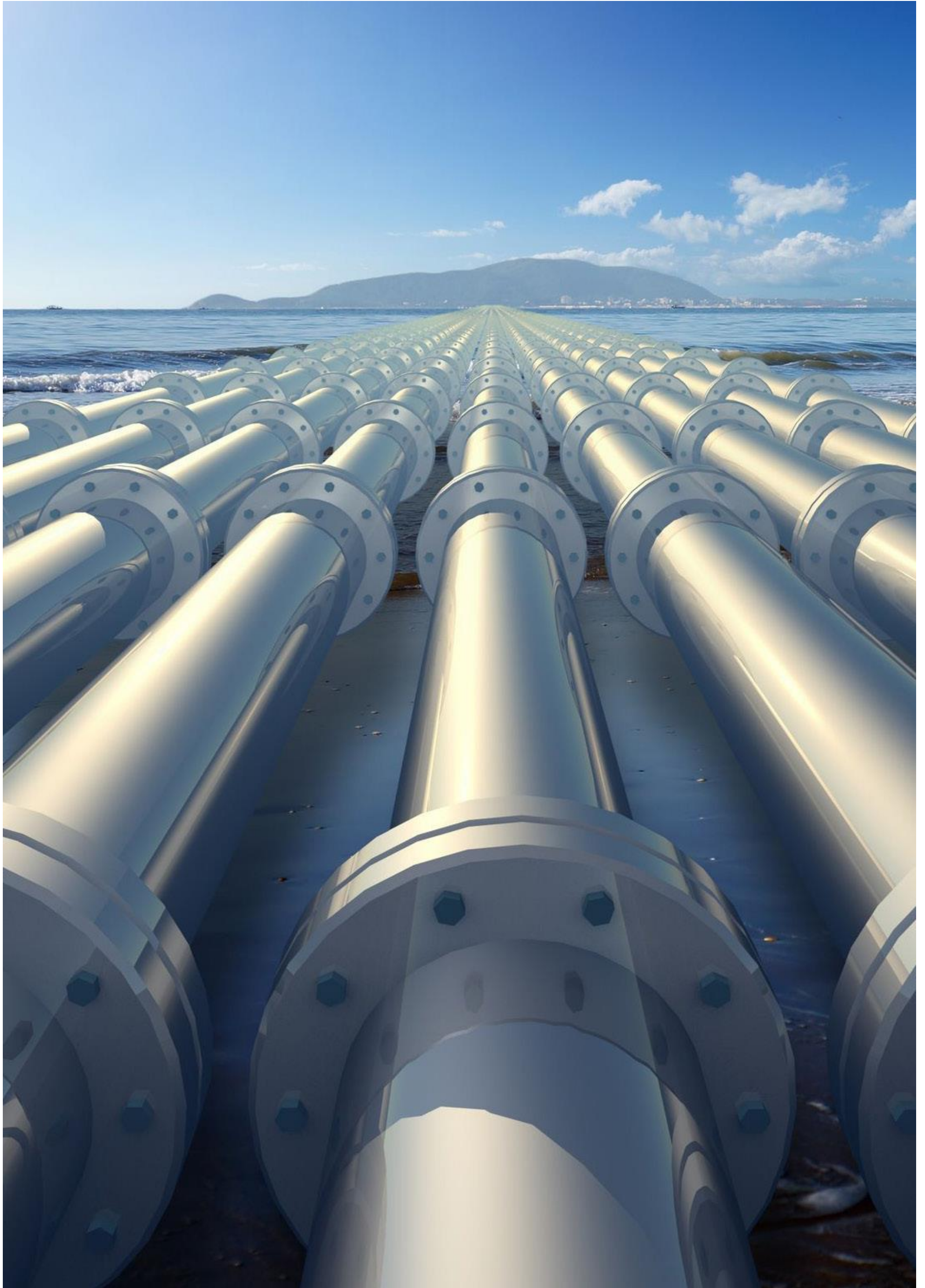


**ENDEL EGYPT**





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### 1. ABOUT US

ENDEL EGYPT was established at 2013 to be a promising company in the field of inspections and tests in the Egyptian inspection market. It for this very reason that Endel was formed, so as to safely and cost-effectively provide high class solutions for the full range of each customers.

#### **Our success is based on a set of core values:**

- Safety and Health Stewardship

Safety and health are an integral part of all our business activities. We believe that all safety incidents are preventable and our goal for them is zero.

- Customer Satisfaction

We ensure that the highest level of quality service and product conformance is delivered flawlessly to our customers knowing that this is key to the success of our business

- Our Employees

We understand that our people are key to our success and everything we do reflects on their integrity, skills, ethics and commitment, and in return, they deserve to be treated fairly and with trust and respect.

- Enhancing Investor Value

By meeting our core values, we will be able to increase and maintain profitable growth and enhanced investor returns.

- Leadership

We will continue to strive to be the leading “one source” provider of inspection and radiography services in the region. We practice leadership and integrity in all areas of our business including diversity in our people and sophistication in our services and products.

### 2. OUR MISSION

We strive to focus on competitively providing solutions to each Customer’s needs within the service lines we provide, and to do so flexibly and responsively to the specific local circumstances and requirements. At the same time, our mission commits us to the same high level of quality, care and dependability no matter what the size, duration, complexity or urgency of each challenge. Consistently serving every Customer this way, every day, will provide them with exceptional value, and make us a trusted partner to each one – assuring that we always fulfill our Mission.

### 3. OUR VISION

Our Vision commits us to be recognized as the leader in every one of the inspection services we offer by 2026, and to accomplish this with absolutely no compromise to our foundational commitment to cost efficiency, safety and ethical conduct in all we do. This commitment of leadership is based upon and driven by our Mission of providing World Class solutions to our Customers and consistently building relationships with them of confidence and trust.

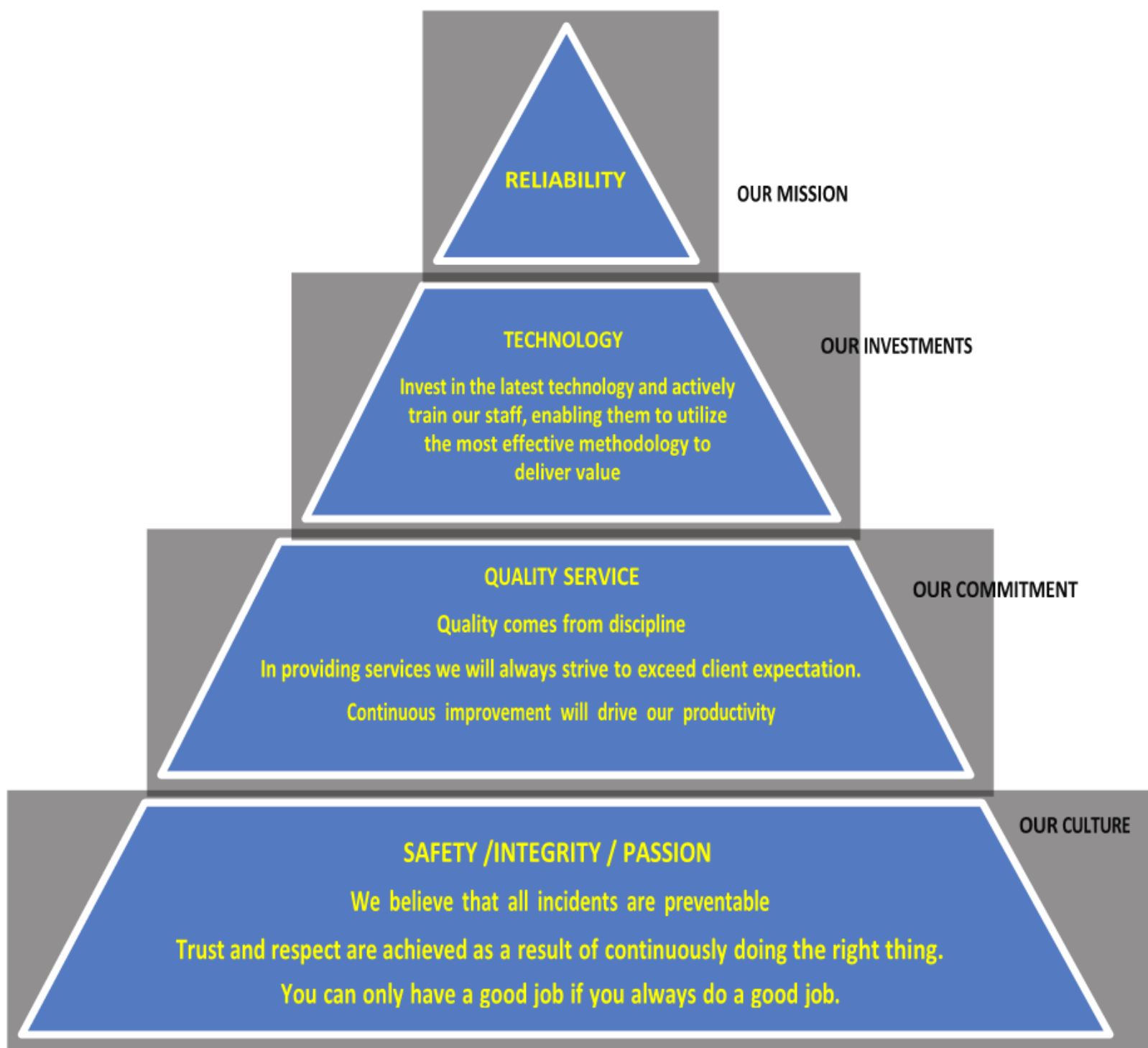
Our Vision targets leadership for Endel in the region as a top tier inspection service provider. We will achieve our Vision through every team member living the values and behaviors contained in our Codes of Conduct, and by establishing and executing to a definitive plan and schedule for establishing the aforementioned leadership.

## 4. OUR STRATEGY

Principal components of our strategy include:

- Setting excellence in terms of design, performance, quality, Customer satisfaction and value when compared with all similar services from any other source, anywhere in the world.
- Continuously improving the efficiency, productivity and quality of our products and services and their respective delivery in order to grow revenues, operating margins and generate free cash flow from operations in all of our service areas.
- Through a commitment to innovation, invention and integration, utilizing new and tested products and services that meet the evolving needs of our clients.
- Further extending process, productivity, quality, safety and competency across all markets we operate in in scope and scale at a level consistent with meeting client demand for our products and services in an operationally efficient manner.

## 5. OUR CORE BELIEFS



### 6. OUR SERVICES

Egyptian economy is on the brink of a new era of opportunities, growth and development. These elements of growth in the region present Endel with the opportunity to establish itself as a high class provider of inspection services across various inspection lines such as:

#### **Engineering Inspection (NDT)**

##### **(1) Ultrasonic Testing (UT)**

UT Inspection uses high frequency sound energy to conduct examinations and make measurements. UT Inspection is a very useful and versatile NDT method for detecting both surface and subsurface volumetric defects and is widely used in pipeline, oil and gas and processing industry.

ENDEL provide Ultrasonic testing service using calibrated modern equipment covering the following:

- Thickness measurements.
- Lamination detection.
- Welding inspection.

The above activities could be provided for both fabrication and construction stage or for plant inspection or during shut-down or in stream operation.

##### **(2) Radiographic Testing (RT)**

RT is a method of inspecting materials for hidden flaws by using the ability of short wavelength electromagnetic radiation (high energy photons) to penetrate various materials. While this method provides permanent records and can be used with real time imaging, its relatively high operational costs make this a specialized inspection method.

Radiographic testing could be provided to perform testing on welds using all techniques specified in international standard and codes.

**Endel** has a permit from the Egyptian Ministry of Health to conduct tests using radioactive isotopes, and it has engineers who are experienced and licensed to work in this field.

Testing may be achieved by Gamma-Ray portable Camera as with Ir.192 sources or X-ray camera depending on the client requirement and site conditions.

RT can be applied covering all areas including but not limiting piping, vessels, steel structure and the any other different components.

We have the ability and capability for testing, interpretation according to specified code or standard.

##### **(3) Dye Penetrant Testing:**

DPI is a method that is used to reveal surface breaking flaws by bleed out of a colored or fluorescent dye from the flaw. DPI is one of the most widely used NDT methods. Its popularity can be attributed to two main factors, its relative ease of use and its flexibility. DPI can be used to inspect almost any material provided that its surface is not extremely rough or porous.

Dye penetrant testing could be provided by different technique both visible or fluorescent on different materials in fabrication or maintenance stage by qualified personnel

#### **(4) Magnetic Particle Testing (MPI or MT)**

MPI is a nondestructive testing method used for surface and near surface defect detection. MPI is a fast and relatively easy to apply and surface preparation is not as critical as it is for some other NDT methods. The method is used to inspect a variety of product forms such as castings, forgings, and weldments. Many industries such as the structural steel, Oil & Gas, and Petrochemicals use

ENDEL provide magnetic particle testing by AC-DC Yokes or Permanent magnets with portable cans which can be applied on ferrous materials with visible or under black light testing (fluorescent).

#### **(5) Other Testing and consultations:**

##### **a. Painting Inspection**

ENDEL can provide painting inspection, painting supervision on all equipment or structures measuring surface finish, wet film thickness dry film thickness and adhesion test, also review painting specifications and certificates. It can also evaluate and inspect coating, wrapping for the onshore and off-shore pipelines.

##### **b. Plant Inspection**

ENDEL have the ability to provide the plant inspection for petroleum or petrochemical plants which cover periodic, planned or shutdown inspection on boilers, heat exchangers, towers, vessels, valves, heaters

##### **c. Hardness Testing**

ENDEL can provide hardness testing by portable equipment with ability to produce results with different types Brinell, Vickers, Rockwell ...

##### **d. Heat Treatment**

ENDEL can provide site facilities of heat treatment services for piping works and other petroleum and industrial equipment.

##### **e. Lifting Equipment**

ENDEL can make inspection and calibration for all types of cranes and other lifting equipment using approved procedures comply with standard and codes and national regulation

##### **f. video-scopes**

ENDEL can perform video-Scopes inspection check inner closed areas by entering a cable through a small hole.

##### **g. Phased Array Inspection**

ENDEL provides advanced Ultrasonic techniques as Phased array for weld inspection and precise corrosion monitoring.

#### **7. Consultation**

##### **a) Quality assurance consultant**

ENDEL can act as quality assurance consultants to qualify clients to get certificates starting from awareness of clients personnel, gap analysis, QA manual, procedures, format, up to pre-audit and final audit with attendance of all audits of the client with certification body or assist in covering system both major or minor NCR

### **b) Welding consultant**

- Prepare WPS, PQR & WPQ
- Select electrodes for non-common material
- Suggest solution for welding discontinuities
- ASNT Level III Consultation
- ENDEL Level III can provide activities:
- Establish procedures
- Code interpretation
- Certify Level I and II qualification

### **c) Training and Courses:**

The following courses could be provided:

- ASNT Level I and Level II in RT , UT , MT , PT
- Welding technology
- Corrosion & Corrosion monitoring.
- Painting & painting inspection
- AWS re-fresher course.
- Automation system
- Internal Audit course for ISO 9001/14001/18001 certificates.
- Advanced NDT including video-scopes, Eddy current...etc.
- Safety and risk assessment

### **d) Vocational Training & Qualification Courses:**

ENDEL as sole agent and partner of Serimax Training Ltd (UK) is issuing unique training & qualification approaches & disciplines in Middle East & Africa in vocational training & accredited training with approvals & awarding from various bodies as: SQA, TWI, SEMTA, EAL, CPCS and City Guilds Following are some various courses & qualifications that ENDEL & Serimax can provide:

- Management and Leadership
- Health & Safety
- Plant Construction
- Plant Operations
- Welding Training & Certification
- Welder Training

### **8. Areas served:**

- Petrochemical industries
- Oil & gas
- Chemical
- Sugar
- Cement
- Water treatment wastewater.
- API separators



- Fertilizing
- Power stations
- Pressure reduction station
- Metering stations

ENDEL can also evaluate and inspect coating, wrapping for the onshore and off-shore pipelines

## **9. ENDEL PREVIOUS EXPERIENCE AND PROJECTS**

Endel has participated in major iconic projects, some of which shall be mentioned, but not limited to, in the following pages

| S/N | PROJECT  | CLIENT/ CONSULTANT  | WORK ACTIVITY   |
|-----|--|---|---|
| 1   | LRT 10th of Ramadan Rail way<br>(X82-X83) Bridge New Capital   | الهيئة العامة للانفاق K&A, EDECS<br>خطيب وعلمي<br>ALEX-STEEL  | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting On-<br>site inspection ( TUCH UP & THITING |
| 2   | : LRT 10th of Ramadan Rail way<br>(X08-X09 ) Bridge New Capital  | الهيئة العامة للانفاق K&A, EDECS<br>خطيب وعلمي<br>ALEX-STEEL  | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting  |
| 3   | LRT 10th of Ramadan Rail way<br>Bridge X79-X80 New Capital   | الهيئة العامة للانفاق K&A, EDECS<br>خطيب وعلمي<br>ALEX-STEEL  | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting  |
|     | LRT 10th of Ramadan Rail way<br>Bridge C62-C63 New Capital   | الهيئة العامة للانفاق K&A, Concord<br>خطيب وعلمي<br>ALEX-STEEL  | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting  |
|     | كباري مشاة امتداد الطريق الساحلي الدولي<br>(كوبري جلاله, الزاويه والزيتون والجفيري)                        | الهيئة الهندسه للقوات المسلحه (قيادة المنطقه الشماليه العسكريه)<br>سعد الدين الدوليه قاصد خير اليكس سنيل                              | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting  |
|     | HRC محطة القطار السريع الورش المركزيه<br>WORK SHOP   | محرم بخوم سينترا سيباك سنل تك اليكس سنيل  | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting  |
| 4   | El Hammam Lrrigation-  | Armed Forces/ Water Dep<br>CONSULTANT: Hydro Office<br>Sub Contractor: NEW AQUA   | VT, DT, & UT  |
| 5   | مشروع انشاء منطقه زراعيه محافظتى بني سويف<br>Pipes with Diameter 1400 mm                                   | القوات الجويه (مستقبل مصر)<br>محرم باخوم :<br>Contractor: شركه سيباك<br>Sub -Contractor: شركه تواسكو الهندسيه للمقاولات<br>والتوريدات | VT, DT, ,UT&PAINTING  |
|     | FLEG POLES ساري علم 40 متر الكيان العسكري<br>40M   | GICO, وزاره الدفاع الهيئه الهندسيه للقوات المسلحه<br>Amr Abdelrahman Consultatnt Engineers, DAR<br>ENGINEERING                        | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting  |
| 6   | Kuraimat Power station (I&II), Fabrication<br>of IP drums, IP drums piping and IP drums<br>steel structure | CM,PAGISCOI   | VT,MT, UT & RT  |
| 4   | America Petroleum company, Piping  | Enppi   | VT, MT, UT & RT   |
| 5   | ISCC Kuraimat Power station  | PSC   | VT, MT, UT & RT and Hardness test   |
| 6   | Natural gas pipeline   | House gas compant   | VT, MT, UT & RT   |
| 7   | El Atf   | ANSALDO   | VT, MT, UT & RT   |
| 8   | Talkha power station (I&II), Piping  | CMI   | VT, MT, UT & RT   |
| 9   | CPF construction supervision phase II and<br>III   | El Wastani Petroleum  | VT, MT, UT & RT and hardness test   |
| 10  | Alex Suez Fertilizers co., fabrication of 6<br>pressure vessels  | UHDE  | VT, MT, UT & RT and hardness test   |
| 11  | Al-Ain Sokhna supper critical thermal, P.P<br>water and service water pipies                               | Tochint (energya)   | MT & RT   |
| 12  | Electric Express train   | SYSTRA, SIAC  | VT, PT, MT, UT & DT   |
| 13  | Qaha and Edfina food complex   | جهاز الخدمة الوطنية<br>CEGMAN consulting engineering<br>National company for general contracting                                      | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting  |
| 14  | Multi purpose station Alex seaport   | Egyptian group for multipurpose terminals<br>Consultant : Dar engineering<br>EDECD  | MTC, Chmic., Mechan., UT, MT, VT,<br>PT, Documents review and Painting  |

|    |  |  |  |
|----|--|--|--|
| 15 | ITS for highway roads-Egypt(shobra-Benha Road. Cairo-Ismailia Road, and Ain Sokhna road                | Information system department (ISD), Owner consultant: MTC, Consultant: Masarat Misr, Contractor: Elsewedy T&D | UR, MT, VT, PT, Documents review and galvanization inspection                  |
| 16 | Misr Olympic city, 15000 spectators hall   | National service projects organization, Consultant: MECG, Contractor : El-Fath                                 | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 17 | Misr Olympic city, swimming pool playground  | National service projects organization, Consultant: COSMOS, Contractor : GAMA                                  | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 18 | Misr Olympic city, Equestrain Stasidium  | National service projects organization, Consultant: COSMOS, Contractor : GAMA                                  | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 19 | 10 <sup>th</sup> of Ramadan Railway LRT OCS Columns from Adly Mansour station to Ain Sokhna            | National Authority for Tunnels<br>Consultants: K&A<br>Contractor:Energya and Zamel steel                       | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 20 | Construction of 10 <sup>th</sup> of Ramadan Railway Project No. 76/Metro, maintenance workshop         | Gama and Rowad Join venture, Consultant Khatib&Alami   | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 21 | Construction of 10 <sup>th</sup> of Ramadan Railway (Geneva Bridge)                                    | Khatib&Alami, Nile company for roads and bridge, Contractor: Energy steel                                      | MTC, Chmic., Mechan., UT, MT, VT, PT, and Fire Proof Painting inspection       |
| 22 | Josef Tito Bridge  | National authority for spending/Al-Nile energya<br>ESACO-Alexsteel   | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 23 | Al Shabab Power station  | Ansaldo-PEGESCO  | PT, UT, Hydrostatic test and phase array                                       |
| 24 | Pedestrian bridge over Railway at Manshaa station at Suhag Government                                  | Consultant : Saad International<br>Contractor: International Engineering (INCO)                                | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 25 | Central Parks Administrative Capital Development (Observation Tower)                                   | The Administrative Capital Company<br>Consultant: DAR Engineering<br>Contractor: ICPM                          | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 26 | Iconic Tower of the central business district, New administrative capital                              | Contractor : CSCEC<br>Consultant : Dar Engineering   | WQT., UT, MT, VT, PT, and DT   |
| 27 | C02, C03 Tower Area, central business district, New administrative capital                             | Contractor : CSCEC<br>Consultant : Dar Engineering   | UT, MT, VT, PT, DT and Documents review  |
| 28 | Food Complex 15000 tons- Sadat city  | National Services Projects Organization<br>Consultant: Emaar<br>Contractor: Protection Co.                     | MTC, Chmic., Mechan., UT, MT, VT, PT, Documents review and Painting inspection |
| 29 | Rod Al Farag Bridge Axis 6,7   | Consultant: Saad El-Din international<br>ARESCO& (SGS)   | VT and UT  |
| 30 | Ministerial district (Ministry of interior, Foreign affair, Finance, Environment and Local development | Contractor : CSCEC<br>Consultant : Dar Engineering   | UT, MT, VT, PT, DT and Documents review  |
| 31 | Benha for small and medium industries  | Military works<br>Contractor : Aresco  | UT, MT, VT, PT, DT and Documents review  |
| 32 | Meet Ghamr for small and medium industries   | Military works<br>Contractor : Man crow  | UT, MT, VT, PT, DT and Documents review  |
| 33 | Assiut supercritical power plant (vessels)   | ASF-PSO  | NDT  |
| 34 | Zamel Steel Factory -6 <sup>th</sup> October   | Cosmos   | Fireproofing painting inspection   |

| S/N | PROJECT  | CLIENT/ CONSULTANT  | WORK ACTIVITY   |
|-----|--|---|---|
| 35  | 6 <sup>th</sup> of October Power project phase III, converting existing simple cycle to combined | EME-Elkrom-Ansaldo  | PT, RT, Phase array and Pneumatic-vacuum box test                 |
| 36  | 7019 SS tanks  | Lesaffre  | UT, MT, VT, PT, DT and Doc.review                                 |
| 37  | Vinavil Suez Factory (Tanks & Piping)  | Target, (GAMA, ECG)   | VT, PT, MT, UT, DT and Phase array                                |
| 38  | Ministers district, administrative district  | The administrative capital, DAR Engineering, ALSaada & SIAC | UT, MT, VT, PT, DT, Documents review and fireproofing inspections |
| 39  | Wadi El Nile cement Factory  | FLS   | UT, MT, VT, PT for Hub and roller kiln                            |
| 40  | MARS   | GEA - EECS  | PT and RT   |
| 41  | Gantry Crain BVS 50 Ton Planet Code: 11-002 & WQT  | Egyptian- French joint venture Vince metro                  | UT, RT, MT and WQT  |
| 42  | Hummer impact & compressor casing  | Ramliay planet ACC - FLS                                    | UT, RT, MT  |
| 43  | Sumed Ain Sokhna Product hub (Drum)  | Mariout Engineering   | RT  |
| 44  | Sumed Ain Sokhna Product hub (stack)   | Mariout Engineering- Petrojet                               | RT  |
| 45  | Ras Gharib Bakr81, Amer61 and baker 97 Piping  | GPC   | RT and PT   |
| 46  | Badr City for the small and middle industries  | EEC- Military works   | Comprehensive engineering inspection                              |
| 47  | Port Saied City for the small and middle industries  | EMCON- Military works                                       | Comprehensive engineering inspection                              |
| 48  | Al Sadat City for the small and middle industries  | Zamil- Military works                                       | Comprehensive engineering inspection                              |
| 49  | Al Arish Marble Faactory   | Zamil-Military works  | VT, PT, MT, UT & DT   |
| 50  | Marble Factory – Saini   |   | VT, PT, MT, UT & DT   |
| 51  | BeniSuef Power station   | ARESCO- ALRWEAD   | PT and UT   |
| 52  | Marble Factory BeniSuef  | Zamil-Military Works  | MT & UT   |
| 53  | Hurghada Airport   | Dar Eng. Bin Laden, Energya                                 | Fireproofing inspection   |
| 54  | Conference hall of the Egyptian Army   | EMCON – Military works                                      | MT & UT   |
| 55  | Al Galala aqua park  | EMCON – Military works                                      | MT & UT   |
| 56  | Wedding Hall   | EMCON – Military works                                      | MT & UT   |
| 57  | Marble Factory   | EMCON – Military works                                      | MT & UT   |
| 58  | Al Alamyia Hanger  | EMCON – Military works                                      | Comprehensive engineering inspection                              |
| 59  | Ware House (Damietta)  | EMCON – Military works                                      | Comprehensive engineering inspection                              |
| 60  | Ncic Pipe rack   | EMCON – Military works                                      | Comprehensive engineering inspection                              |
| 61  | Military entity mixed transport regiment   | EEC – Military works  | VT, PT, MT, UT & DT   |
| 62  | Direct Reduction Power Planet DP07J1   | Ezz Steel - Danieli   | VT, PT, MT, UT & DT   |
| 63  | Arabian Cement Coal Mill   | Schnelle – Arab Company-CPC                                 | VT, PT, MT, UT & DT   |
| 64  | Assuit Power station   | SPIG - Orascom  | VT, PT, MT, UT & DT   |
| 65  | Marble Factory Saini   | EMCON- Military works                                       | Comprehensive engineering inspection                              |
| 66  | Helwan Cement Coal Mill  | ETICE – Mariout – Italian cement                            | VT, PT, MT, UT & DT   |
| 67  | Toraha Cement Company (mill)   | MENCO Group   | VT, PT, MT  |
| 68  | Mall El Arab   | ECG - EMCON   | VT, PT, MT & UT   |
| 69  | Wadi El Nile cement  | RHI   | VT, PT, MT, UT & DT   |
| 70  | Gharib Plant Progect- Pressure Vessels   | EMC-GPC   | MT, UT & RT   |
| 71  | Saini white cement Co.   | FLS-SMIDTH  | MT, UT & RT   |
| 72  | Suez cement plant, piping and stack  | FCB   | VT, PT, MT, UT & DT   |
| 73  | Egyptian cement plant, piping and steel structure, Line I, line II, Line III, Line IV            | Orascom   | VT, PT, MT, UT & DT   |

## **10. TOOLS AND EQUIPMENT LIST WITH CALIBRATION CERTIFICATES**

Endel possesses the latest equipment and modern technologies that qualify it to carry out the work and inspections entrusted to it in a complete manner, ensuring the quality of work and meeting the requirements of the project specifications and international codes. It is also important to ensure that this equipment is always calibrated and in excellent technical condition

| S/N | Device Description            | Manufacture /Model                | Device Serial No. | Cal. Date | Cal Due date | Cal. Certificate No. |
|-----|-------------------------------|-----------------------------------|-------------------|-----------|--------------|----------------------|
| 1   | 4.5 Kg Individual steel mass  |                                   |                   | 1/3/2023  | 28/02/2024   | 18/M/2023            |
| 2   | AC/DC clamp                   | Kyoritsu/2003A                    | WO146695          | 1/3/2023  | 28/02/2024   | 19/M/2023            |
| 3   | Bridge Cam Welding gauge      | G.A.L GAGE Co.                    | 001//WG           | 1/3/2023  | 28/02/2024   | 34/M/2023            |
| 4   | Coating thickness gauge       | Elcometer                         | LD03407           | 1/3/2023  | 28/02/2024   | 3/M/2023             |
| 5   | Coating thickness gauge       | Elcometer                         | LD03400           | 1/3/2023  | 28/02/2024   | 4/M/2023             |
| 6   | Coating thickness gauge       | Elcometer                         | UE 23640          | 1/2/2023  | 31/01/2024   | 3/Feb/2023           |
| 7   | Coating thickness gauge       | Elcometer                         | VK00435           | 1/2/2023  | 31/01/2024   | 2/Feb/2023           |
| 8   | Coating thickness gauge       | Elcometer                         | LD03425           | 1/2/2023  | 31/01/2024   | 1/Feb/2023           |
| 9   | Dial Thickness gauge          | Elecometer                        | HA00012           | 1/3/2023  | 28/02/2024   | 29/M/2023            |
| 10  | Digimatic caliper             |                                   | 2002/92/EC        | 1/3/2023  | 28/02/2024   | 5/M/2023             |
| 11  | Digital Thermometer           | Elcometer/EK0003                  |                   | 1/3/2023  | 28/02/2024   | 22/M/2023            |
| 12  | Digital Thermometer           | Elcometer/E0733739                |                   | 1/3/2023  | 28/02/2024   | 28/M/2023            |
| 13  | Engineering Square            | Stanely                           | 45600             | 1/3/2023  | 28/02/2024   | 11/M/2023            |
| 14  | Engineering Square            | Stanely                           | 72001385          | 1/3/2023  | 28/02/2024   | 12/M/2023            |
| 15  | Infrared Thermometer          | EXTECH instruments                | 130303908         | 1/3/2023  | 28/02/2024   | 15/M/2023            |
| 16  | Inside micrometer             | Japan                             |                   | 1/3/2023  | 28/02/2024   | 31/Mar/2023          |
| 17  | Inside micrometer             | Japan                             |                   | 2/1/2023  | 1/01/2024    | 2/J/2023             |
| 18  | Laser Measure                 | China                             | 0075356160        | 1/12/2022 | 30/11/2024   | 4/Dec/2023           |
| 19  | LUX Meter                     | Dostman/LM37                      | 120239459         | 1/3/2023  | 28/02/2024   | 20/M/2023            |
| 20  | Outside micrometer            | Japan                             |                   | 1/3/2023  | 28/02/2024   | 9/M/2023             |
| 21  | Outside micrometer            | Japan                             |                   | 1/3/2023  | 28/02/2024   | 8/M/2023             |
| 22  | Portable Hardness             | Salu Tron/D500                    | 03-149            | 1/3/2023  | 28/02/2024   | 17/M/2023            |
| 23  | Sometinox Chrom               | Mitutoyo                          | 001               | 1/3/2023  | 28/02/2024   | 10/M/2023            |
| 24  | Sound Level Meter             | Taiwan                            | 100605264         | 1/3/2023  | 28/02/2024   | 21/M/2023            |
| 25  | Steel ruler 0-1000            | Chaina/1M-01                      | MR-40             | 1/3/2023  | 28/02/2024   | 7/M/2023             |
| 26  | Surface Roughness             | Innovatest BV/TR100               | 001-TR100         | 1/3/2023  | 28/02/2024   | 33/M/2023            |
| 27  | Temperature Humidity recorder | Elcometer                         | JFB633            | 1/3/2023  | 28/02/2024   | 16/M/2023            |
| 28  | Digital Thermocouple          | Kane-May/KM330                    | 727725            | 1/3/2023  | 28/02/2024   | 14/M/2023            |
| 29  | Thermometer                   | Elcometer                         |                   | 1/3/2023  | 28/02/2024   | 23/M/2023            |
| 30  | Thermometer                   | Elcometer                         |                   | 1/3/2023  | 28/02/2024   | 24/M/2023            |
| 31  | Universal Bevel               |                                   | 4-8020006         | 1/3/2023  | 28/02/2024   | 13/M/2023            |
| 32  | Ultrasonic flaw               | Shantou institute/<br>SIUCTS-9006 | 540340151116      | 1/3/2023  | 28/02/2024   | 25/M/2023            |
| 33  | Ultrasonic Flaw               | GE Inspection/USN60               | 01M873            | 1/3/2023  | 28/02/2024   | 1/M/2023             |
| 34  | Ultrasonic Thickness          | MODSONIC/Edison-<br>1             | 5030-0314         | 1/3/2023  | 28/02/2024   | 2/M/2023             |
| 35  | Vernier caliper               |                                   |                   | 1/3/2023  | 28/02/2024   | 27/M/2023            |

|    |                            |          |          |          |            |             |
|----|----------------------------|----------|----------|----------|------------|-------------|
| 36 | Vernier caliper Somet Inox | Mitutoyo | 0004     | 1/3/2023 | 28/02/2024 | 30/Mar/2023 |
| 37 | Vernier caliper            | Mitutoyo | 51021179 | 1/3/2023 | 28/02/2024 | 6/M/2023    |



## **11. ENDEL QUALITY MANAGEMENT SYSTEM CERTIFICATE**

Our primary goal is to achieve the highest levels of customer satisfaction through the services and measurements we provide, by activating the comprehensive quality management system.



MANAGEMENT SYSTEM CERTIFICATE



**CERTIFICATE OF REGISTRATION**

*This is to certify that the Quality Management System of*

**Endel Egypt**

56 -Fagr El Islam St. - Bigam Shoubra Elkhima - Qalyoubia - Egypt

has been assessed and registered by TUV as conforming to the requirements of:

**ISO 9001:2015**

For the following Scope

"Providing Technical Inspection, Quality Control and General Contacting Services"

"IAF Group-28&34"

TUV is accredited by International Accreditation Services (IAS). Status of Certificate can be verified on [www.tnvgroup.org](http://www.tnvgroup.org) & [www.iafcertsearch.org](http://www.iafcertsearch.org)

|                                    |                            |
|------------------------------------|----------------------------|
| Certificate Number :               | 220118012001               |
| Initial Issue Date:                | 18 <sup>th</sup> Jan. 2022 |
| Current Issue Date:                | 18 <sup>th</sup> Jan. 2022 |
| Valid Until:                       | 17 <sup>th</sup> Jan. 2025 |
| 1 <sup>st</sup> Surveillance Date: | Completed                  |
| 2 <sup>nd</sup> Surveillance Date: | 18 <sup>th</sup> Dec. 2023 |
| Revision:                          | 01(03.02.2022)             |



*(Handwritten Signature)*

Pragyesh Singh  
Director  
TUV System Certification P Ltd.  
(CIN : U74999UP2017P(CO)3178)

## **12. PERSONAL QUALIFICATIONS**

Endel has a distinguished team of engineers and technicians who are fully qualified and trained in all areas of examination, inspection and review of documents. That is in accordance with international specifications and codes in the field of examination and inspection, ensuring that they carry out the work entrusted to them in a complete manner, provide all recommendations and advice, and take appropriate corrective actions.

| S/N | Name                        | Qualification |
|-----|-----------------------------|---------------|
| 1   | Wagih Khairy                | Level II NDT  |
| 2   | Hossam Khairy               | API 570       |
|     |                             | API           |
|     |                             | CWI           |
|     |                             | Level II NDT  |
| 3   | Medhat Mohamed Ali          | Level II NDT  |
|     |                             | CWI           |
|     |                             | Level II NDT  |
|     |                             | PMP           |
| 4   | Ali Gab-Allah               | Level III NDT |
| 5   | Ahmed Eleash                | CWI           |
|     |                             | Level II NDT  |
| 6   | Hosasam Atef                | Level II NDT  |
| 7   | Mohamed Khaled Abd El-Gawad | Level II NDT  |
| 8   | Ali Sayed Rezq              | Level II NDT  |
| 9   | Mohamed Khaled Mohamed      | Level II NDT  |

**I. Wagih Khairy Qualification certificates:**



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Wagih Mohammed Khairy**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |                                      |
|--------------------------|--------------------------------------|
| Testing Method           | : Radiographic Testing Method ( RT ) |
| Level of Qualification   | : Level two ( II )                   |
| Initial Certificate Date | : 25/08/2000                         |
| Issue Date               | : 08/05/2023                         |
| Expiry Date              | : 07/05/2028                         |



Certificate No.  
RT-2023-054

**GAC GENERAL MANGER:**

**ENG. ALI GABALLAH**

Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature



33 AlKhalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Wagih Mohammed Khairy**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                        |                                   |
|------------------------|-----------------------------------|
| Testing Method         | : Visual Inspection Method ( VT ) |
| Level of Qualification | : Level two ( II )                |
| Date of Issuance       | : 06/06/2000                      |
| Issue Date             | : 08/05/2023                      |
| Expiry Date            | : 07/05/2028                      |



Certificate No.  
VT-2023-080

**GAC GENERAL MANGER**

**ENG. ALI GABALLAH**  
Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**  
Signature #  
187861



33 Al Khalifa Al Zafer St.-7th District - Naser City - Cairo- Egypt  
Tel: (202) 01060921044 & 01000834071 & 011100827272-E-mail:info@gac-ec.com



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Wagih Mohammed Khairy**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |                                    |
|--------------------------|------------------------------------|
| Testing Method           | : Ultrasonic Testing Method ( UT ) |
| Level of Qualification   | : Level two ( II )                 |
| Initial Certificate Date | : 04/05/2000                       |
| Issue Date               | : 08/05/2023                       |
| Expiry Date              | : 07/05/2028                       |



Certificate No.  
**UT-2023-078**

**GAC GENERAL MANGER**

**ENG. ALI GABALLAH**  
Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature:   
187861  
Certificate Number



53 Al Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com





# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Wagih Mohamed Khairy**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |   |
|--------------------------|---|
| Testing Method           | : Magnetic Particle Testing Method ( MT ) |
| Level of Qualification   | : Level two ( II )                        |
| Initial Certificate Date | : 20/04/2000                              |
| Issue Date               | : 08/05/2023                              |
| Expiry Date              | : 07/05/2028                              |



Certificate No.  
MT-2023-080

**GAC GENERAL MANGER**

**ENG. ALI GABALLAH**

Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature  
187861



33Al Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

This is to certify that

**Name: Wagih Mohammed Khairy**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |  |
|--------------------------|--|
| Testing Method           | : Liquid Penetrant Testing Method ( PT ) |
| Level of Qualification   | : Level two ( II )                       |
| Initial Certificate Date | : 13/04/2000                             |
| Issue Date               | : 08/05/2023                             |
| Expiry Date              | : 07/05/2028                             |



Certificate No.  
PT-2023-081

**GAC GENERAL MANGER**

**ENG. ALI GABALLAH**

Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature:

187861



57A El-Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com

**II. Hossam Khairy Qualification certificates**



AMERICAN PETROLEUM INSTITUTE  
Individual Certification Programs: ICP™

## **API Individual Certification Programs**

verifies that

*Hossam Mohammed Khairy*

has met the requirements for API certification

*API-510 Pressure Vessel Inspector*

Certification Number *76314*

Original Certification Date *September 30, 2017*

Current Certification Date *September 30, 2020*

Expiration Date *September 30, 2023*

Manager, Individual Certification Programs



# API INDIVIDUAL CERTIFICATION PROGRAMS



verifies that

**Hossam Mohammad Khairy**

HAS MET THE ESTABLISHED AND PUBLISHED REQUIREMENTS FOR API CERTIFICATION AS AN  
**API 570 PIPING INSPECTOR**

IN ACCORDANCE WITH THE KNOWLEDGE DEFINED IN THE **API Standard 570**

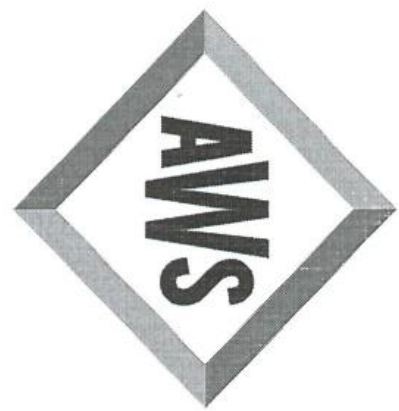
|                             |                |
|-----------------------------|----------------|
| CERTIFICATION NUMBER        | 64808          |
| ORIGINAL CERTIFICATION DATE | April 30, 2016 |
| CURRENT CERTIFICATION DATE  | April 30, 2022 |
| EXPIRATION DATE             | April 30, 2025 |



Director, Individual Certification Programs



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**American Welding Society®**

*Certifies that Welding Inspector*

***Hossam Khairy***

*has complied with the requirements of AWS QC1,  
Standard for AWS Certification of Welding Inspectors*

15042961

CERTIFICATE NUMBER

Apr/01/2024

EXPIRATION DATE



*[Signature]*  
AWS PRESIDENT

AWS QUALIFICATION & CERTIFICATION  
COMMITTEE CHAIR











معهد صناعة الحياة للتدريب  
SAC Institute for Training

بسم الله الرحمن الرحيم

Certificate of Completion

This is to certify that

**Mr. Hossam Mohammed Khairy**

Has attended and successfully completed all prescribed requirements of the course Entitled:

**Project Management Professional ( PMP )**

(35) Training Hours (152638540 )

Riyadh period from 22.11.2015 To 30.11.2015

Instructor

Abdulrazag Al-ttuwajiri

PMP No. ( 1310373 )



مدير المعهد

عابد القاسمي

رقم الشهادة 20549

ملاحظة: أي كشط أو تعديل في هذه الوثيقة يلغى.



sac4training

المملكة العربية السعودية - Kingdom of Saudi Arabia - ص. ب. 286366  
الرياض 11323 - هاتف +966 920001146 فاكس +966 112690282  
w w w . s a c t r . n e t info@sactr.net

تحت إشراف المؤسسة العامة  
للتدريب التقني والمهني  
رخصة رقم (1/1/1) (1/1/1)

**III. Medhat Mohamed Ali**



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

This is to certify that

**Name: Medhat Mohamed Aly**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |                                      |
|--------------------------|--------------------------------------|
| Testing Method           | : Radiographic Testing Method ( RT ) |
| Level of Qualification   | : Level two ( II )                   |
| Initial Certificate Date | : 13/03/2006                         |
| Issue Date               | : 08/08/2023                         |
| Expiry Date              | : 07/08/2028                         |



Certificate No.  
RT-2023-057

**GAC GENERAL MANGER:**

**ENG. ALI GABALLAH**

Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature  
187861



53 Al Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Medhat Mohamed Aly**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |  |
|--------------------------|--|
| Testing Method           | : Liquid Penetrant Testing Method ( PT ) |
| Level of Qualification   | : Level two ( II )                       |
| Initial Certificate Date | : 15/04/2005                             |
| Issue Date               | : 08/06/2023                             |
| Expiry Date              | : 07/06/2028                             |

**GAC GENERAL MANGER**

**ENG. ALI GABALLAH**

Signature:



Certificate No. --  
PT-2023-084

**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature:



53 Al Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Medhat Mohammed Aly**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                        |                                   |
|------------------------|-----------------------------------|
| Testing Method         | : Visual Inspection Method ( VT ) |
| Level of Qualification | : Level two ( II )                |
| Date of Issuance       | : 15/04/2005                      |
| Issue Date             | : 08/08/2023                      |
| Expiry Date            | : 07/08/2028                      |



Certificate No.  
VT-2023-082

**GAC GENERAL MANAGER**

**ENG. ALI GABALLAH**

Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature:

187861



53 Al Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com

**EFCO LTD.**

SHILTON INDUSTRIAL ESTATE, BULKINGTON ROAD, SHILTON, COVENTRY CV7 9JY U.K.  
TELEPHONE: (01203) 619997 FAX: (01203) 619326



**CERTIFICATE OF TRAINING**

CONTRACT: HEAT TREATMENT EQUIPMENT  
FACTORY 200, CAIRO

CONTRACT NO: CAIRO/ETP/EFCO/123/95

CONTRACT PARTIES: EFCO LTD. AND EGYPTIAN TANK PLANT  
(FACTORY 200)

\*\*\*\*\*

THIS IS TO CERTIFY THAT:

***Eng. Medhat Mohamed Aly***

SUCCESSFULLY COMPLETED TRAINING ON HEAT TREATMENT  
EQUIPMENT, AS PER CONTRACT, AT E.T.P. FACTORY 200.  
FROM 6TH APRIL TO 11TH APRIL 1996

FOR AND ON BEHALF OF EFCO LTD.

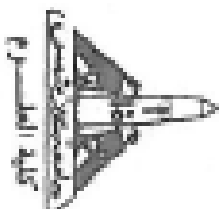
SIGNED   
ANDRE WALUS  
COURSE PRESENTER

DATED 21/4/96

SIGNED   
K. VICKERS  
PROJECTS MANAGER

DATED 21st April 96





**CONSULTANT UNIT FOR MATERIAL PROPERTIES  
Faculty of Science  
Ain Shams University**

**This is to certify that :**  
**Mr. Melhat Mohamed Ali**  
**Has attended the training courses**  
**successfully on :**

*Material characterization and development*

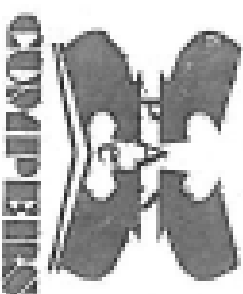
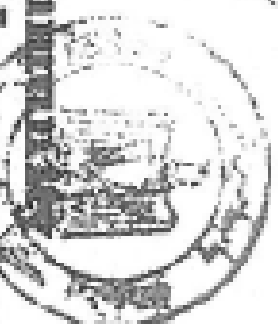
**From : 20 / 11 / 1986 to : 22 / 11 / 1986**

**Dated : 22 / 11 / 1996**

**Chairman**

*Mona Hefnawy*  
**Prop.Dr / Mona Mobsen**

**Vice dean for computer  
and environmental department**  
*S/ Mowely M.K*  
**Prop.Dr / Mandoub Elmously**



## GD/ETP TRANSITION JOB TASKS

DEPARTMENT QUALITY ASSURANCE  
 POSITION/JOB TASKS 0505 - INSPECTOR, NON-DESTRUCTIVE TEST  
 ETP ENGINEER MEDHAT MOHAMED ALY  
 GD COUNTERPART M. MONETTA

DATE: 30 NOVEMBER 1994

JOB DESCRIPTION PERFORMS MATERIAL LABORATORY TESTS USING THE PHYSICAL PROPERTIES OF THE MATERIALS AND SUPPLIES USED IN THE MANUFACTURING PROCESSES FOR THE PURPOSE OF MAINTAINING A STANDARD OF THEIR QUALITY.

| NO | JOB TASKS  | % COMP | SIGNATURE          |
|----|--|--------|--------------------|
| 1  | Operate, calibrate, troubleshoot, and maintain material analysis equipment.  | 100%   | <i>[Signature]</i> |
| 2  | Analyze data and write corresponding reports. I.e. Failure Analysis Reports. | 100%   | <i>[Signature]</i> |
| 3  | Solve material problems.   | 100%   | <i>[Signature]</i> |
| 4  | Perform First Article Inspection.  | 100%   | <i>[Signature]</i> |
| 5  | Extrapolate shelf life extension tests.                                      | 100%   | <i>[Signature]</i> |
| 6  | Write Quality Assurance Procedures.  | 100%   | <i>[Signature]</i> |
| 7  | Know laboratory protocol and responsibilities.                               | 100%   | <i>[Signature]</i> |
| 8  | Observe safety procedures.   | 100%   | <i>[Signature]</i> |
| 9  | Prepare material samples for analysis.                                       | 100%   | <i>[Signature]</i> |
|    |  |        |                    |
|    |  |        |                    |
|    |  |        |                    |
|    |  |        |                    |
|    |  |        |                    |
|    |  |        |                    |
|    |  |        |                    |
|    |  |        |                    |
|    |  |        |                    |

REMARKS

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---



---

*M. Monetta*  
 GD TECHNICAL REPRESENTATIVE

*[Signature]*  
 ETP ENGINEER  
 Medhat M. Aly

*[Signature]*  
 ETP DEPARTMENT DIRECTOR

# Instron Calibrating Centre

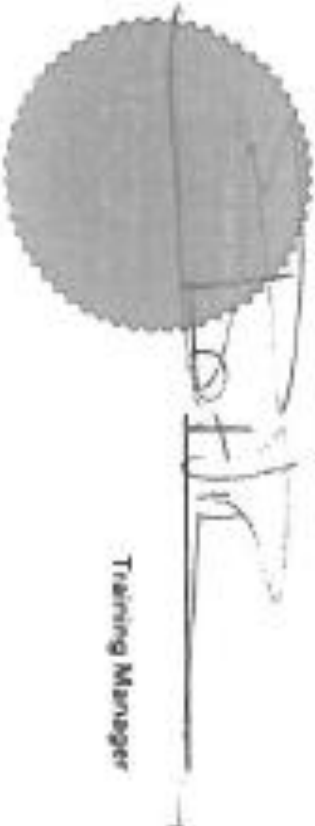
Awarded to  
Medhat Mohamed Ali

CUSTOMER TRAINING ON SITE AT EGYPTIAN TANK FACTORY 200

In recognition of successful completion of  
Operator Training on 4210/4206 with accessories and Series IX

August 1993

Training Manager



# Certificate Of Completion

This will certify that

*Moham Mohamed Aly*

ASIS - Inspector, Non - Destructive Test

Has Successfully Completed

Metallurgical Training

On The Buehler Sample Preparation Equipment,

And The Metalograph

In Conjunction With

Failure Analysis Training

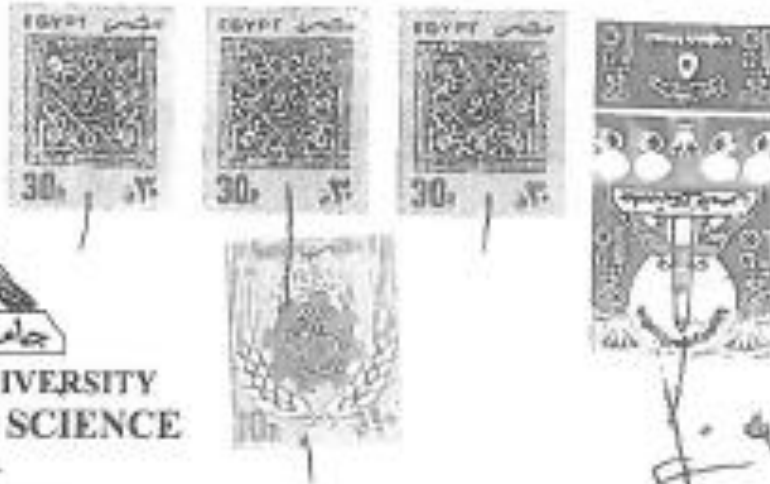
By General Dynamics.

*David E. Stephenson*

Dr. David E. Stephenson  
Buehler

*Engr. M. Monetta*

Engr. M. Monetta  
ASIS



القاهرة - جمهورية مصر  
مكتب تصديقات الشريعة  
للمتطلبات  
تصديق على صحة  
الدراسة  
التي قام بها  
السيد  
مهدى محمد علي  
مسالمة النجار  
في  
الدرجة  
ماجستير في  
العلوم  
الفيزيائية  
في  
الجامعة  
العين شمس  
في  
التاريخ  
23/2/2004  
م

**CERTIFICATE**



**Name of Student**      Medhat Mohamed Aly Mesallam El-ngar //

**Degree Awarded**      M. Sc . in Physics //

**Subject of Study**      Study of Thermomechanical Properties and  
Structural defects For Some Copper Alloys //

**Major Grade**      / / / / / / / / / /

**Date of Graduation**      23/2/2004

N.B. :  
This certificate is issued at the request of the student .



Fatma Naget  
Secretary General

Mahs  
8-3-2004

**Registrar**



**Dean**

H.S. Salama



## Certificate

This is to certify that

MED HAT MOHAMMED ALI

of

E.T.P.

has successfully completed all the elements of  
competence as required by the  
Buehler European Vocational Training Scheme.

This training award is registered in:

ADVANCED METALLOGRAPHIC

SAMPLE PREPARATION

Recognition of this award along with portfolio is  
archived at the Buehler International Conference  
facility in Coventry.

Signed \_\_\_\_\_  
Course Tutor

Date \_\_\_\_\_

Signed David G. Stephenson  
Course Director

Date 31 July 1997

*EDAX International*

*Certificate*

*We hereby declare and certify that*

*Mr. Medhat Mohamed Ali*

*has attended the*

*EDAX Operator's School*

*at our premises in Tilburg, the Netherlands  
from 24 November to 5 December 1997*

  
*Mark Massey*  
*European Sales Manager*

  
*Annie Malchère*  
*Product Specialist*

  
*Hans Dijkstra*  
*Product Specialist*

*PHILIPS ELECTRON OPTICS B.V.*

# *CERTIFICATE*

*We herewith declare and certify that:*

*Medhat Mohamed Ali*  
*has attended the*

*XL Basic*

*operator training course at the*

*Application Laboratory in Eindhoven*

*from 9 november ~ 7 december 1997*

*International Business Centre Electron Optics, Eindhoven*

*Tutor*



*Lab. Director*



*FEI and Philips - Global vision, focused solutions*

**fei**







# Certificate of Proficiency

CSWIP CERT NO 31891

This is to certify that:

**Medhat Mohamed**

Date of birth 26 July 1970

has demonstrated proficiency in fusion welding inspection as a Welding Inspector in accordance with CSWIP requirements published in Document CSWIP-WI-6-92, 6th Edition June 2000 and amendments in force on the examination date.

Date of issue 29 February 2008

Date of expiry 3 November 2012

Signed \_\_\_\_\_

(For CSWIP)

SIGNATURE OF HOLDER

(Person named above) \_\_\_\_\_

Date \_\_\_\_\_

PLEASE READ THE NOTES OVERLEAF

Photocopies are unauthorised by  
TWI Certification Ltd

Issued by:  
TWI Certification Ltd, Granta Park  
Great Abington, Cambridge CB21 6AL, UK

The use of the UKAS Accreditation Mark indicates accreditation in respect of those activities covered by Accreditation Certificate No. 025.  
This certificate is the property of TWI Certification Ltd and must be surrendered on request

**IV. Ali Gab-Allah Qualification Certificates**



**The American Society for Nondestructive Testing, Inc.**

Be it known that

**Ali Abd-Elateef Gab-Allah**

Has met the established and published Requirements for Certification by ASNT as

**NDT Level III**

In the following Nondestructive Testing Methods:

| Method                    | Issue Date | Expiration Date |
|---------------------------|------------|-----------------|
| Liquid Penetrant Testing  | 12/19      | 12/24           |
| Magnetic Particle Testing | 12/19      | 12/24           |
| Radiographic Testing      | 12/19      | 12/24           |
| Ultrasonic Testing        | 12/19      | 12/24           |
| Visual Testing            | 3/20       | 3/25            |



**187861**

Certificate Number

Certification Management Council Chair

ASNT President

Note: All ASNT NDT Level III exams are developed and maintained in accordance with ISO/IEC 17024 guidelines for certification of persons. The following exams are currently accredited by the American National Standards Institute (ANSI) - BASIC, ET, MT, PT, RT, UT, and VT. This certificate is the property of ASNT, is not official without ASNT's raised gold seal and is subject to revocation prior to the listed expiration date. This certificate shall be verified on the ASNT website or by contacting ASNT.



**V. Ahmed Elesh Qualification Certificates**

## CERTIFICATE OF COMPLETION

### ASME B31.3 Process Piping

PRESENTED TO

**Ahmed Mohamed Mohamed Elesh**

For his outstanding contribution as a participant in:  
[ASME B31.3 – process Piping Code]  
16 hours Training Online Course held by [Inspection Academy] on  
March 2021.

Instructor

Eng. Amr Soliman



Inspection Academy

Management

Issue Date: April 3, 2021

Certificate No: 00169 IA-2021



## CERTIFICATE OF COMPLETION

### ASME BPVC section II Material

PRESENTED TO

**Ahmed Mohamed Mohamed Elesh**

For his outstanding contribution as a participant in:  
[ASME BPVC section II MATERIALS Specifications part (A, B, C & D)]  
20 hours Training Online Course held by [Inspection Academy] on  
March 2021.

Instructor

Eng. Amr Soliman



Inspection Academy

Management

Issue Date: March 28, 2021

Certificate No: 00131 IA-2021



**CERTIFICATE OF COMPLETION**  
**ASME-SECTION IX**  
**Welding Qualifications**

PRESENTED TO

**Ahmed Mohamed Mohamed Elesh**

For his outstanding contribution as a participant in:  
**ASME BPVC Section-IX (Qualification Standard for  
Welding Procedures; Welders and Welding Operators)**  
16 hours Training Online Course held by [Inspection Academy] on  
March 2021.

Instructor

Eng. Amr Soliman



Inspection Academy

Management

Certificate No: 00150 IA-2021

Issue Date: April 3, 2021

**CERTIFICATE OF COMPLETION**  
**ASME SECTION VIII**  
**RULES FOR CONSTRUCTION OF PRESSURE VESSELS**  
**DIVISION 1**

PRESENTED TO

**Ahmed Mohamed Mohamed Elesh**

For his outstanding contribution as a participant in:  
**ASME SECTION VIII Rules for Construction of Pressure Vessels, Division 1**  
12 hours Training Online Course held by [Inspection Academy] on  
March, 2021.

Instructor

Eng. Ramy Mohammed



Inspection Academy

Management

Certificate No: 00109 IA-2021

Issue Date: March 17, 2021

**VI. Hossam Atef Qualification Certificates**





# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Hossam Alden Atef Mohamed**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                        |                                   |
|------------------------|-----------------------------------|
| Testing Method         | : Visual Inspection Method ( VT ) |
| Level of Qualification | : Level two ( II )                |
| Date of Issuance       | : 01/05/2015                      |
| Issue Date             | : 11/12/2018                      |
| Expiry Date            | : 10/12/2023                      |

**GAC GENERAL MANGER**

**ENG. ATEF GABALLAH**

Signature:



Certificate No.  
VT-2018-217

23 Elsheekh Qamar St. - Elzaher - Cairo - Egypt Tel.: (202) 01060921044 e-mail: info@gac-ec.com

**ASNT Level III Examiner:**

**ENG.**

Signature:





# QUALIFICATION CERTIFICATE

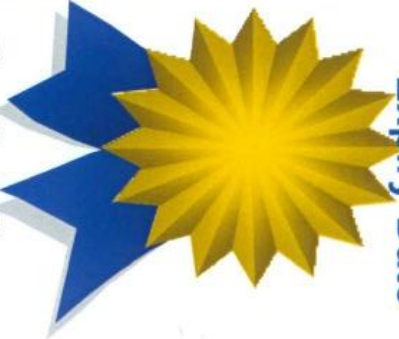
GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Hossam Alden Atef Mohamed**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                        |                                      |
|------------------------|--------------------------------------|
| Testing Method         | : Radiographic Testing Method ( RT ) |
| Level of Qualification | : Level two ( II )                   |
| Date of Issuance       | : 01/05/2015                         |
| Issue Date             | : 11/12/2018                         |
| Expiry Date            | : 10/12/2023                         |



Certificate No.  
RT-2018-232

**GAC GENERAL MANGER:**  
**ENG. ALI GABALLAH**  
Signature:



23 Elsheekh Qamar St. - Elzaher - Cairo - Egypt Tel.: (202) 01060921044 e-mail:info@gac-ec.com

**ASNT Level III Examiner:**  
**ENG. ALI GABALLAH**  
Signature:   
ASNT NDT Level III  
Certificate Number  
1878641



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Hossam Alden Atef Mohammed**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                        |  |
|------------------------|--|
| Testing Method         | : Liquid Penetrant Testing Method ( PT ) |
| Level of Qualification | : Level two ( II )                       |
| Date of Issuance       | : 01/05/2015                             |
| Issue Date             | : 11/12/2018                             |
| Expiry Date            | : 10/12/2023                             |



Certificate No.  
PT-2018-234

**GAC GENERAL MANAGER**  
**ENG. ALI GABALLAH**  
Signature: 

23 Elsheekh Qamar St. - Elzaher - Cairo - Egypt Tel.: (202) 01060921044 e-mail: info@gac-ec.com

**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**  
Signature: 

**Ali Gab Allah**  
**ASNT Level III**  
**187861**  
Certificate Number



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Hossam Alden Atef Mohamed**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                        |   |
|------------------------|---|
| Testing Method         | : Magnetic Particle Testing Method ( MT ) |
| Level of Qualification | : Level two ( II )                        |
| Date of Issuance       | : 01/05/2015                              |
| Issue Date             | : 11/12/2018                              |
| Expiry Date            | : 10/12/2023                              |



Certificate No.  
MT-2018-233

**GAC GENERAL MANGER**  
**ENG. ALI GABALLAH**  
Signature:



23 Elsheekh Qamar St. - Elzaher - Cairo - Egypt Tel.: (202) 01060921044 e-mail: info@gac-ec.com

**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**  
Signature:  
187861





# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Hossam Alden Atef Mohamed**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                        |                                    |
|------------------------|------------------------------------|
| Testing Method         | : Ultrasonic Testing Method ( UT ) |
| Level of Qualification | : Level two ( II )                 |
| Date of Issuance       | : 01/05/2015                       |
| Issue Date             | : 11/12/2018                       |
| Expiry Date            | : 10/12/2023                       |



Certificate No.  
UT-2018-232

**GAC GENERAL MANGER**  
**ENG. ALI GABALLAH**  
Signature:



23 Elsheekh Qamar St. - Elzaher - Cairo - Egypt Tel.: (202) 01060921044 e-mail: info@gac-ec.com

**VII. Mohamed Khaled Abd El-Gawad**



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Muhammed Khaled Ali Abd El-Gwad Atia**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |  |
|--------------------------|--|
| Testing Method           | : Liquid Penetrant Testing Method ( PT ) |
| Level of Qualification   | : Level two ( II )                       |
| Initial Certificate Date | : 10/12/2017                             |
| Issue Date               | : 02/12/2022                             |
| Expiry Date              | : 01/12/2027                             |



Certificate No.  
PT-2022-111

**GAC GENERAL MANGER**

**ENG. ALI GABALLAH**

Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature:

187861



At Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Muhammed Khaled Ali Abd El-Gwad Atia**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |                                      |
|--------------------------|--------------------------------------|
| Testing Method           | : Radiographic Testing Method ( RT ) |
| Level of Qualification   | : Level two ( II )                   |
| Initial Certificate Date | : 22/12/2017                         |
| Issue Date               | : 02/12/2022                         |
| Expiry Date              | : 01/12/2027                         |



Certificate No.  
RT-2022-101

**GAC GENERAL MANGER:**

**ENG. ALI GABALLAH**

Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature:



53 At Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail: info@gac-ec.com





# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Muhammed Khaled Ali Abd El-Gwad Atia**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |                                    |
|--------------------------|------------------------------------|
| Testing Method           | : Ultrasonic Testing Method ( UT ) |
| Level of Qualification   | : Level two ( II )                 |
| Initial Certificate Date | : 31/12/2017                       |
| Issue Date               | : 02/12/2022                       |
| Expiry Date              | : 01/12/2027                       |

**GAC GENERAL MANGER**

**ENG. AU GABALLAH**

Signature:



Certificate No.  
UT-2022-105



**ASNT Level III Examiner:**

**ENG. AU GABALLAH**

Signature:

187861



ASNT Level III Examiner: Ali Gaballah  
ASNT No. 187861  
Certificate Number: 187861  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail: info@gac-ec.com



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

Name: **Muhammed Khaled Ali Abd El-Gwad Atia**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                        |                                   |
|------------------------|-----------------------------------|
| Testing Method         | : Visual Inspection Method ( VT ) |
| Level of Qualification | : Level two ( II )                |
| Date of Issuance       | : 02/12/2017                      |
| Issue Date             | : 02/12/2022                      |
| Expiry Date            | : 01/12/2027                      |



**GAC GENERAL MANGER**

**ENG. ALI GABALLAH**

Signature:



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature:

187861



Certificate No.  
VT-2022-091

53 Al Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com



# QUALIFICATION CERTIFICATE

GAC FOR ENGINEERING CONSULTENCY

*This is to certify that*

**Name: Muhammed Khaled Ali Abd El-Gwad Atia**

*Has Satisfactorily Completed The Requirements by Continuous Performance and Passed The Examination of The Nondestructive Testing In Accordance With The American Society For Nondestructive Testing Recommended Practice SNT-TC-1A and GAC written practices in The Following Work Categories:*

|                          |   |
|--------------------------|---|
| Testing Method           | : Magnetic Particle Testing Method ( MT ) |
| Level of Qualification   | : Level two ( II )                        |
| Initial Certificate Date | : 15/12/2017                              |
| Issue Date               | : 02/12/2022                              |
| Expiry Date              | : 01/12/2027                              |

**GAC GENERAL MANGER**

**ENG. ALI GABALLAH**

Signature:



Certificate No.  
MT-2022-108



**ASNT Level III Examiner:**

**ENG. ALI GABALLAH**

Signature:

187861



53 Al Khalifa Al Zafer St.-7th District - Nasr City - Cairo- Egypt  
Tel.: (202) 01060921044 & 01000834071 & 01100827272-E-mail:info@gac-ec.com



**Professional.  
Credible.  
Resilient.**

# Bite SIZE CPD

THIS CERTIFICATE IS AWARDED TO

**muhammed khaled**



FOR COMPLETING CONTINUING PROFESSIONAL DEVELOPMENT ON THE SUBJECT OF  
**PCR BiteSize CPD: Hazard Identification**

Delivered by



**Andrew C Protheroe**

MSc MSc MSJL MIRISM CMIOSH DipNEOSH EnvDipNEOSH PIEMA COP MCCI  
**Director | Risk and Resilience**



Chartered Safety and  
Health Practitioner



Registered Consultant



COI  
QUALIFIED QUALITY  
PROFESSIONAL

Quality Assurance



**Phillip S W Parry**

GradIOSH - ISO 9001:2015 Lead Auditor  
**Risk Management Consultant**

Issued: 2021-04-18  
Expires: 2022-04-18  
Certificate ID: mpppw9jzq1

[www.pcr-global.com](http://www.pcr-global.com)

**'Don't trust it, TEST IT'®**

**VIII. Ali Sayed Reza**



# CERTIFICATE



**American Welding Society**  
Educational Institution Member



This is to certify that

**ALISAYED REZQ SHALABY**

Has been approved in Non Destructive Testing within the recommendation of the American Society of Non Destructive Testing SNT-TC-1A and the Written Practice of Cairo Inspection Company

in the following:

|                           |                    |
|---------------------------|--------------------|
| Testing Method:           | Visual Inspection  |
| Level of Qualification:   | Level II           |
| Product Form:             | Welds and Material |
| Initial certificate date: | 01/05/2015         |
| Certificate date:         | 01/05/2021         |
| Expiry date:              | 30/04/2024         |

Examiner  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**



General Manager

ASNT SDF Level III

**Eng. Ibrahim El Desoky**



NDT-VT-015-0993

Tel: +2 011 47 46 47 49 / 011 484 14 904 Fax+2 02 26 707979 Email:admin@ci-egypt.com, website: www.ci-egypt.com



# CERTIFICATE



**American Welding Society**  
Educational Institution Member



This is to certify that

**ALI SAYED REZQ SHALABY**

Has been approved in Non Destructive Testing within the recommendation of the American Society of Non Destructive Testing SNT-TC-1A and the Written Practice of Cairo Inspection Company

in the following:

|                           |                              |
|---------------------------|------------------------------|
| Testing Method:           | Magnetic Particle Inspection |
| Level of Qualification:   | Level II                     |
| Product Form:             | Welds and Material           |
| Initial certificate date: | 01/05/2015                   |
| Certificate date:         | 01/05/2021                   |
| Expiry date:              | 30/04/2024                   |

Examiner  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**



NDT-MT-015-1220

General Manager  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**

Tel: +2 011 47 46 47 49 / 011 484 14 904 Fax+2 02 26 707979 Email:admin@cic-egypt.com, web@cic-egypt.com



# CERTIFICATE



**American Welding Society**  
Educational Institution Member



This is to certify that

**ALI SAYED REZQ SHALABY**

Has been approved in Non Destructive Testing within the recommendation of the American Society of Non Destructive Testing SNT-TC-1A and the Written Practice of Cairo Inspection Company in the following:

|                           |                      |
|---------------------------|----------------------|
| Testing Method:           | Radiographic Testing |
| Level of Qualification:   | Level II             |
| Product Form:             | Welds and Material   |
| Initial certificate date: | 01/05/2015           |
| Certificate date:         | 01/05/2021           |
| Expiry date:              | 30/04/2024           |

Examiner  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**



NDT-RT-015-1195

General Manager  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**



Tel: +2 011 47 46 47 49 / 011 484 14 904 Fax+2 02 26 707979 Email: [admin@ci-c-egypt.com](mailto:admin@ci-c-egypt.com), website: [www.ci-c-egypt.com](http://www.ci-c-egypt.com)





# CERTIFICATE



This is to certify that

**ALISAYED REZQ SHALABY**

Has been approved in Non Destructive Testing within the recommendation of the American Society of Non Destructive Testing SNT-TC-1A and the Written Practice of Cairo Inspection Company in the following:

|                           |                       |
|---------------------------|-----------------------|
| Testing Method:           | Dye Penetrant Testing |
| Level of Qualification:   | Level II              |
| Product Form:             | Welds and Material    |
| Initial certificate date: | 01/05/2015            |
| Certificate date:         | 01/05/2021            |
| Expiry date:              | 30/04/2024            |

Examiner  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**



General Manager  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**

NDT-PT-015-1251

Tel: +2 011 47 46 47 49 / 011 484 14 904 Fax+2 02 26 707979 Email:admin@cic-egypt.com, website: www.cic-egypt.com



Corporate Partner

# CERTIFICATE



American Welding Society  
Educational Institution Member



This is to certify that  
**ALI SAYED REZQ SHALABY**

Has been approved in Non Destructive Testing within the recommendation of the American Society of Non Destructive Testing SNT-TC-1A and the Written Practice of Cairo Inspection Company in the following:

|                           |                    |
|---------------------------|--------------------|
| Testing Method:           | Ultrasonic Testing |
| Level of Qualification:   | Level II           |
| Product Form:             | Welds and Material |
| Initial certificate date: | 01/05/2015         |
| Certificate date:         | 01/05/2021         |
| Expiry date:              | 30/04/2024         |

Examiner  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**



NDT-UT-015-1170

General Manager  
ASNT NDT Level III

**Eng. Ibrahim El Desoky**



Tel: +2 011 47 46 47 49 / 011 484 14 904 Fax+2 02 26 707979 Email:admin@cic-egypt.com, website: www.cic-egypt.com

**IX. Mohamed Khaled Mohamed**



أكاديمية اللحام المصرية

**Egyptian Welding Academy**  
Welding Consultancy and Training Services



## QUALIFICATION CERTIFICATION

Serial No. EWA-NDT- MT – 2023 /11056

This is to certify that

**MOHAMED KHALED MOHAMED**

Has been Qualified and Certified in non-destructive testing (NDT) in accordance  
With (EWA) Written Practice No. EWA-SNT-TC-1A which is Comply with  
ASNT Recommended Practice No. SNT-TC-1A 2020 Edition

Personnel Qualification and Certification in Nondestructive Testing.

Testing Method: **MAGNETIC PARTICLES TESTING (MT)**

Level of Qualification: **Level II (TWO)**

| Issue Date | Expiration Date |
|------------|-----------------|
| 20/06/2023 | 19/06/2028      |



20/6/2023



Email: [ewa@ewa.org.eg](mailto:ewa@ewa.org.eg) Mobile: (002) 01069102737 & (002) 01090984000 & (002) 01019442630 & (002) 01123022801



أكاديمية اللحام المصرية  
Egyptian Welding Academy  
Welding Consultancy and Training Services



## QUALIFICATION CERTIFICATION

Serial No. EWA-NDT- VT – 2023 / 11044

This is to certify that

### MOHAMED KHALED MOHAMED

Has been Qualified and Certified in non-destructive testing (NDT) in accordance  
With (EWA) Writer Practice No. EWA-SNT-TC-1A which is Comply with  
ASNT Recommended Practice No. SNT-TC-1A 2020 Edition  
Personnel Qualification and Certification in Nondestructive Testing.

Testing Method: **VISUAL TESTING (VT)**  
Level of Qualification: **Level II (TWO)**

|            |                 |
|------------|-----------------|
| Issue Date | Expiration Date |
| 15/06/2023 | 14/06/2028      |



15/6/2023



Email: [ewa@ewa.org.eg](mailto:ewa@ewa.org.eg) Mobile: (002) 01069102737 & (002) 01090984000 & (002) 01019442630 & (002) 01123022801



أكاديمية اللحام المصرية  
Egyptian Welding Academy  
Welding Consultancy and Training Services



## QUALIFICATION CERTIFICATION

Serial No. EWA-NDT- RT – 2023 /11062

This is to certify that

**MOHAMED KHALED MOHAMED**

Has been Qualified and Certified in non-destructive testing (NDT) in accordance  
With (EWA) Written Practice No. EWA-SNT-TC-1A which is Comply with  
ASNT Recommended Practice No. SNT-TC-1A 2020 Edition  
Personnel Qualification and Certification in Nondestructive Testing.  
Testing Method: **RADIOGRAPHIC TESTING (RT)**  
Level of Qualification: **Level II (TWO)**

|            |                 |
|------------|-----------------|
| Issue Date | Expiration Date |
| 23/06/2023 | 22/06/2028      |



ASNT LEVEL III

23/6/2023



Email: [ewa@ewa.org.eg](mailto:ewa@ewa.org.eg) Mobile: (002) 01069102737 & (002) 01090984000 & (002) 01019442630 & (002) 01123022801



أكاديمية اللحام المصرية  
Egyptian Welding Academy  
Welding Consultancy and Training Services



## QUALIFICATION CERTIFICATION

Serial No. EWA-NDT- UT – 2023 /11068

This is to certify that

### MOHAMED KHALED MOHAMED

Has been Qualified and Certified in non-destructive testing (NDT) in accordance  
With (EWA) Written Practice No. EWA-SNT-TC-1A which is Comply with

ASNT Recommended Practice No. SNT-TC-1A 2020 Edition

Personnel Qualification and Certification in Nondestructive Testing.

Testing Method: **ULTRASONIC TESTING (UT)**

Level of Qualification: **Level II (TWO)**

|            |                 |
|------------|-----------------|
| Issue Date | Expiration Date |
| 26/06/2023 | 25/06/2028      |



ASNT LEVEL III  
26/6/2023



Email: [ewa@ewa.org.eg](mailto:ewa@ewa.org.eg) Mobile: (002)01069102737 & (002) 01090984000 & (002) 01019442630 & (002) 01123022801



أكاديمية اللحام المصرية  
Egyptian Welding Academy  
Welding Consultancy and Training Services



## QUALIFICATION CERTIFICATION

Serial No. EWA-NDT- PT – 2023 /11050

This is to certify that

### MOHAMED KHALED MOHAMED

Has been Qualified and Certified in non-destructive testing (NDT) in accordance  
With (EWA) Written Practice No. EWA-SNT-TC-1A which is Comply with  
ASNT Recommended Practice No. SNT-TC-1A 2020 Edition  
Personnel Qualification and Certification in Nondestructive Testing.

Testing Method: **LIQUID PENETRANT TESTING (PT)**

Level of Qualification: **Level II (TWO)**

|            |                 |
|------------|-----------------|
| Issue Date | Expiration Date |
| 18/06/2023 | 17/06/2028      |



ASNT LEVEL III

18/6/2023





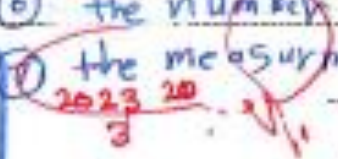
Email: [ewa@ewa.org.eg](mailto:ewa@ewa.org.eg) Mobile: (002) 01069102737 & (002) 01090984000 & (002) 01019442630 & (002) 01123022801



**12. HISTORY OF ENDEL QUALIFICATION**  
**APPROVALS**



**DOCUMENT SUBMITTAL (DOS)**

|  |  |   |
|--|--|---|
| Project Name : EIPICO 3, Biologicals and Biosimilars Manufacturing Facility.   |  | Package : EIPICO 3                                |
| Project No. : 1250   |  | Phase : EIPICO 3                                  |
| Employer : EIPICO  |  | Contractor: ROWAD MODERN Engineering              |
| Site Supervision Consultant: EHAFC Consulting Engineers  |  |   |
| From : ROWAD MODERN Engineering  |  | Date : 18/03/2023                                 |
| To : EHAFC Consulting Engineers  |  | Submittal Ref.: 1250/DOS/RME/EHAFC/Civil/2023/118 |
| Attn. : Eng. Ibrahim Shawki  |  | Rev: 00   |
| Subject : Welding 3rd Party (ENDEL EGYPT COMPANY PROFILE)  |  |   |
|   |  |   |
| <b>Type of Submittal :</b> <input checked="" type="checkbox"/> Report <input type="checkbox"/> Test plan <input type="checkbox"/> Prequalification<br><input type="checkbox"/> Product/Tech.data <input type="checkbox"/> Program /schedule <input type="checkbox"/> BOQ & Specs.  |  |   |
| <b>Submittal Discipline:</b> <input type="checkbox"/> Architectural <input checked="" type="checkbox"/> Civil <input type="checkbox"/> Other: Survey Doc<br><input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical  |  |   |
| <b>Attachments:</b> _____<br><input checked="" type="checkbox"/> Hard Copy <input checked="" type="checkbox"/> Soft Copy (CD)  |  |   |
| <br><b>Contractor</b><br>Authorized Representative  |  |   |
| <b>Submitted for:</b><br><b>Action Code Legend:</b><br>(A) Approved <input checked="" type="checkbox"/> Approved as Noted    (C) Revise and Resubmit    (D) Rejected   |  |   |
| <b>Notes :</b> <ul style="list-style-type: none"> <li>Production, supply and /or implementation shall proceed only when action code is A / or B.</li> <li>Regarding action code C, resubmittal shall be within the limit set in the contract.</li> <li>Review dose not relieve the contractor from responsibility of compliance with all requirements of contract documents.</li> <li>If rejected please see comments.</li> </ul>  |  |   |
| <b>Consultant Comments:</b> (ENDEL) is accepted as a third party, taking into the consideration the following: <ol style="list-style-type: none"> <li>main contractor (Rowad RME) to submit the inspection and test plan (ITP) in a separate submittal identifying the scope /role of all parties.</li> <li>this is to confirm that all personnel qualification certificates should be always update during project time.</li> <li>contractor to make sure that all equipment and tools shall have valid update calibration certificates during project time.</li> <li>Follow specs of project</li> <li>the testing program and methodology of the base plates</li> <li>the number of tested plates</li> <li>the measurement of plates (Flatness)</li> </ol> |  |   |
| <b>Employer's Representative Comments (if required):</b>   |  |   |
| <br><b>Employer</b><br>Authorized Representative  |  |   |

RECEIVED

21 MAR 2023

RME EIPICO 3

**Received**  
 1250 - EIPICO Factory  
 18 MAR 2023  




**DOCUMENT SUBMITTAL (DOS)**


Project Name : EIPICO 3, Biologicals and Biosimilars Manufacturing Facility. Package : EIPICO 3  
 Project No. : 1250 Phase : EIPICO 3  
 Employer : EIPICO Contractor: ROWAD MODERN Engineering  
 Site Supervision Consultant: EHAF Consulting Engineers

From : ROWAD MODERN Engineering Date : 25/03/2023  
 To : EHAF Consulting Engineers Submittal Ref.: 1250/DOS/RME/EHAF/Civil/2023/121  
 Attn. : Eng. Ibrahim Shawki Previous Ref.: 00  
 Subject : Endel 3<sup>rd</sup> Party Equipment Calibration Certification



Type of Submittal :  Report  Test plan  Prequalification  
 Product/Tech.data  Program /schedule  BOQ & Specs.  
 Submittal Discipline:  Architectural  Civil  Other: Survey Doc  
 Mechanical  Electrical

Attachments: \_\_\_\_\_  
 Hard Copy  Soft Copy (CD)

  
 Contractor  
 Authorized Representative

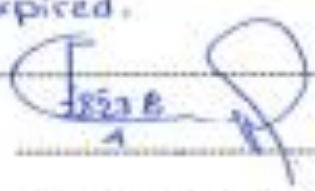
Submitted for:  
 Action Code Legend:  
 (A) Approved (B) Approved as Noted  (C) Revise and Resubmit (D) Rejected

Notes:  
 • Production, supply and /or implementation shall proceed only when action code is A / or B.  
 • Regarding action code C, resubmittal shall be within the limit set in the contract.  
 • Review does not relieve the contractor from responsibility of compliance with all requirements of contract documents.  
 • If rejected please see comments.

Consultant Comments:  
 1) The contractor has to highlight the equipment from the table that shall be used in the project & complete the inspection programs  
 2) Item 56 to 65 certificates dates have been expired.

Actions Required From Contractor : \_\_\_\_\_

Attachments: \_\_\_\_\_  
 Hard Copy  Soft Copy (CD)

  
 Site Supervision Consultant  
 Authorized Representative

Employer's Representative Comments (if required) : \_\_\_\_\_



\_\_\_\_\_  
 Employer  
 Authorized Representative

مشروع إنشاء محطة معالجة الأغراض ٦٢/٥٥ بمدينة الإسكندرية البحرية ( ملحق عقد رقم (٢) ، أعمال تصميم وتنفيذ المبنى الإداري

والخدمية)



إيديكس الدولية للهندسة والمقاولات  
EDECS EL Dawlia for Engineering & Contracting

المقاول: إيديكس الدولية للهندسة والمقاولات



EGC  
ENGINEERING CONSULTANTS GROUP S.A.

الإستشاري: جماعة المهندسين الإستشاريين



EGMPT  
— EGYPTIAN GROUP FOR —  
MULTI PURPOSE TERMINALS

المالك: المجموعة المصرية للمحطات متعددة الأغراض

**(Submittal - DOC)**

طلب اعتماد مستندات

|                  |                                    |                    |   |
|------------------|------------------------------------|--------------------|---|
| إلى الإستشاري :- | جماعة المهندسين الإستشاريين<br>ECG | من المقاول العام : | شركة إيديكس الدولية للهندسة والمقاولات<br>EDECS |
|------------------|------------------------------------|--------------------|---|

|             |                          |                                     |                          |                          |                          |
|-------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| رقم الطلب   | EDE-088-ECG-DOC- 0063    | الإصدار                             | 00                       | التاريخ                  | 18/05/2022               |
| الموضوع     | Endel Egypt              |                                     |                          | المرفقات                 | PDF                      |
| المنطقة     | —                        | الدور                               | —                        | النموذج                  | —                        |
| نوع الاعمال | إشغالي                   | معماري                              | كهرباء                   | ميكانيكا                 | مساحة                    |
|             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|             | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| م | البيان / الوصف                                | عدد النسخ |
|---|---|-----------|
| ١ | Endel Egypt Steel Structure Pre-Qualification | 1         |
| ٢ |   |           |
| ٣ |   |           |
| ٤ |   |           |

تعهد المقاول: المستندات المرفقة تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في المشروع من قبل المقاول

|                  |             |
|------------------|-------------|
| المقاول          | مدير الجودة |
|                  |             |
| استلام الإستشاري | بتاريخ:     |
| بواسطة:          | التوقيع:    |







|  |
|--|
| ملاحظات الإستشاري  |
| لا مانع من اعتماد شركة لثدثه Third Party كعماد لإحداث تعديلات بغيره<br>طبعا لمواصفات المشروع |

|                                       |   |                            |   |
|---------------------------------------|---|----------------------------|---|
| الإستشاري المختص                      | الإعتماد بواسطة:  | التوقيع:                   | بتاريخ:                                   |
| <input type="checkbox"/> أ            | معتمد   | ج <input type="checkbox"/> | يعاد التقديم مرة أخرى بعد اتمام الملاحظات |
| <input checked="" type="checkbox"/> ب | معتمد مع ملاحظات - يمكن للمقاول ان يستمر بناء على الملاحظات | د <input type="checkbox"/> | الطلب مرفوض                               |

|                  |                   |
|------------------|-------------------|
| اعتماد الإستشاري | بتاريخ: ٢٠٢٢/٥/١٨ |
| استلام المقاول   | بتاريخ: ٢٠٢٢/٥/١٨ |

|                       |         |
|-----------------------|---------|
| التوزيع قبل الاعتماد: | المالك: |
| التوزيع بعد الاعتماد: | المالك: |

|                       |         |
|-----------------------|---------|
| التوزيع قبل الاعتماد: | المالك: |
| التوزيع بعد الاعتماد: | المالك: |

| Employer:<br>   | Contractor:<br>CCC-ATRIUM JV<br>  | Project Title:<br><b>TMG Projects</b><br><i>Four Seasons Hotel - Cairo Capital<br/>Hotel Structure Package (CP03)</i>                | Consultants:<br> | Engineer:<br> |      |             |
|--|--|--|---|--|------|-------------|
| CONTRACTOR PROJECT NO. 1225  | DOCUMENT NO.<br>FM-QMP-1225-002-002A   | REV. NO./DATE<br>000/ 25-05-2021   | PAGE<br>1 of 2  |  |      |             |
| DOCUMENT TITLE: <b>DOCUMENT TRANSMITTAL FORM</b>   |  |  |   |  |      |             |
| TRANSMITTED TO: Hill International<br>Att.: Eng. Nader Kamal - Project Manager   |  |  | Transmittal No: 1134-MD-CP03-JV-T-000293<br>Date: 30 <sup>th</sup> January 2022                     | Rev. 00  |      |             |
| Discipline   | <input checked="" type="checkbox"/> Structural <input type="checkbox"/> Arch <input type="checkbox"/> MEP <input type="checkbox"/> General   |  |   |  |      |             |
| Type of Document   | <input type="checkbox"/> Procedures <input checked="" type="checkbox"/> Pre-qualification <input type="checkbox"/> ITP <input type="checkbox"/> MS <input type="checkbox"/> Schedule <input type="checkbox"/> Others |  |   |  |      |             |
| Submittal Intended For   | <input checked="" type="checkbox"/> Review & Approval <input type="checkbox"/> Information   |  |   |  |      |             |
| Document Type  | Prequalification of Endel Egypt - Third-Party - Structure Steel.   |  |   |  |      |             |
| Item   | QTY.   | Specs/ BOC/ Contract Ref.  | Document Type   | Description  | Rev. | Action Code |
| 01   | 184 Page's A4  | Division 05 - Metals<br>Section 05100 - Structural Metal Framing<br>Section 05300 - Metal Deck<br>Section 05500 - Metal Fabrications | Prequalification  | Prequalification of Endel Egypt - Third-Party<br>- Structure Steel                               | 00   | A           |
| Remark(s):   |  |  |   |  |      |             |
| <b>Contractor Confirmation:</b> Attached documents have been fully coordinated, checked for compliance with the contract documents and are deemed acceptable by the Contractor for use in the project. |  |  |   |  |      |             |
| For CCC/ATRIUM-JV  |  |  |   |  |      |             |
| Eng. Osama Ibrahim   |  | Sr. Project Manager  |   | 30 <sup>th</sup> January 2022  |      |             |
| Name   |  | Title  |   | Signature  |      | Date        |
| Engineer Received:   |  |  | Contractor Received:  |  |      |             |
|   |  |  |                |  |      |             |



أعمال تنفيذ ( قها وإدفينا للصناعات الغذائية المتطورة )

إصدار رقم: 01

رقم النموذج: SUP/ KAHA&EDFINA/CIVIL/014

|  |                                       |  |               |
|--|---------------------------------------|--|---------------|
| المالك: قها وإدفينا للصناعات الغذائية المتطورة |                                       | الاستشاري: المجموعة الهندسية الإستشارية ( سيجمان ) |               |
| مقدم من : بروتكشن للمقاولات والتصميمات         | وجه إلى : مدير المشروع - م / محمد سند | اسم المرسل: مهندس / محمود عبد الهادي               | اسم المستلم : |
| التوقيع:                                       | التوقيع:                              | بتاريخ: 2022/8/03                                  | بتاريخ:       |

تملى بمعرفة المقاول

|                            |               |             |       |                                   |   |               |  |
|----------------------------|---------------|-------------|-------|-----------------------------------|---|---------------|--|
| عنوان النموذج/ ENDEL EGYPT |               | مسلّم       |       | عدد النسخ                         |   | البيان/ الوصف |  |
| رمز المقايسة               | رمز المواصفات | المصنع/ بلد | ENDEL | ENDEL EGYPT QUALIFICATION PROFILE | 1 |               |  |

تعهد المقاول: المستندات المرفقة تم تنسيقها ومراجعتها من حيث تطابقها مع العقد وتعتبر مقبولة للاستخدام في هذا المشروع من قبل المقاول  
تملى بمعرفة الاستشاري

الملاحظات:-

هو لإنتاج من الأعمال المهنية Endel Egypt Qualification Profile مع الالتزام بكل ما جاء بالمرفقات.

يعاد التقديم مرة أخرى = C

معتمد = A

الطلب مرفوض = D

معتمد مع ملاحظات. يمكن للعمل أن يستمر بناء على الملاحظات. = B

|                         |                     |           |                  |
|-------------------------|---------------------|-----------|------------------|
| إعتماد الاستشاري المختص | المهندس /           | التوقيع / | بتاريخ / / 20    |
| إعتماد مدير المشروع     | المهندس / محمد رستم | التوقيع / | بتاريخ 2021/8/18 |
| استلام المقاول          | الاستلام بواسطة /   | التوقيع / | بتاريخ / / 20    |

التوزيع بعد الاعتماد

التوزيع قبل الاعتماد :

|     |        |           |        |         |           |          |           |
|-----|--------|-----------|--------|---------|-----------|----------|-----------|
| No. | المالك | الاستشاري | المالك | المقاول | الإستشاري |          |           |
|     |        |           |        |         | مدني      | معماري   | كهرباء    |
|     |        |           |        |         | تكييف     | ميكانيكا | تخطيط Q.S |



Our Ref.: SYS-SIAC-G-EET-0914-036

14<sup>th</sup> September 2022

**SIAC**

6 Hassan El-Shereey St., 11341, Heliopolis  
Cairo – Egypt

**Attention to:** Eng. Ahmed Azmi  
Project Director

**Project:** Electric Express Train - EET Project (Ain Sokhna – Borj Al Arab – Alamein – Marsa Matrouh)  
PMC Consultancy Services for the implementation of EET Project

**Subject:** New Capital Station – PRE\_QUALIFICATION OF 3<sup>rd</sup> PARTY FOR STEEL STRUCTURE TEST BELONG TO ZAMIL COMPANY

Dear Sir,

With reference to the contractor Notice of submission no E779-SIAC-SYSTRA-DS-CVL-0081 Rev 00 received on 1/09/2022 regarding the subject above, please find attached REPLY regarding New Capital Station – PRE\_QUALIFICATION OF 3<sup>rd</sup> PARTY FOR STEEL STRUCTURE TEST BELONG TO ZAMIL COMPANY

Yours faithfully,



**Tarek SAID**  
EET Project- Employer Representative

**Attachment:**

- REPLY OF RFP

**CC: NAT**



**EGYPT BRANCH**

1191 Corniche El Nile • World Trade Center Complex Buildings • Administrative Tower – 16th Floor  
Postal Code: 112215 • Cairo • Arab Republic of Egypt (ARE) • Tel: + 202 2 577 5112 • Fax: + 202 2 577 5113



SYSTRA • société anonyme à directoire et conseil de surveillance | Capital social 33 302 018 Euros | RCS Paris 387 949 530 | APE 7112B | TVA intra FR19387949530  
72-76, rue Henry Farman • 75015 Paris • France | Tel +33 1 40 16 61 00 • Fax +33 1 40 16 61 04

SYSTRA Ref: SYS-SIAC-G-EET-0914-036

Page 1 of 1

|                                |   |          |                    |       |
|--------------------------------|---|----------|--------------------|-------|
| <b>SUBMISSION OF DOCUMENTS</b> | MAIN CONTRACTOR   | Designer | MAIN CONSULTANT    | OWNER |
|                                |   |          |                    |       |
|                                | Electrical Express Train (HSR Station)<br>Project Number : E779 |          | Document Submittal |       |

| Contractor Company   | Industrial construction engineering company<br>SIAC-Project No.E779 |      | Designer Company  | ECG     |      |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |
|----------------------|---|------|---|---------|------|----|----|----|----|----|----|----|----|----|----|----|----|------|----|----|
| Issued by Contractor | Name  | Sign | Date  | Time    |      |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |
|                      | Eng/ Nabil Ali  |      | 01/09/2022  | 9:42 AM |      |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |
| Received by ER       |   |      | <table border="1"> <tr> <th>CI</th> <th>C2</th> <th>C3</th> <th>DD</th> <th>MM</th> <th>YY</th> <th>HH</th> <th>MM</th> </tr> <tr> <td>S2</td> <td>BU</td> <td>C5</td> <td>01</td> <td>09</td> <td>2022</td> <td>11</td> <td>00</td> </tr> </table> |         | CI   | C2 | C3 | DD | MM | YY | HH | MM | S2 | BU | C5 | 01 | 09 | 2022 | 11 | 00 |
| CI                   | C2  | C3   | DD  | MM      | YY   | HH | MM |    |    |    |    |    |    |    |    |    |    |      |    |    |
| S2                   | BU  | C5   | 01  | 09      | 2022 | 11 | 00 |    |    |    |    |    |    |    |    |    |    |      |    |    |
| Contractor Reference | E779-SIAC-SYSTRAS-DS-CVL-0081                                       |      |   |         |      |    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |

|        |                                |                             |  |
|--------|--------------------------------|-----------------------------|--|
| CODE-1 | S1 to S21<br>Station Reference | D1 to S3<br>Depot Reference | Kp XXX Note<br>For Kilometer point only Start Km is used |
| CODE-2 | Work Activity                  |                             |  |
| CODE-3 | Sub Element of Activity        |                             |  |

NB: Package 1 Only (Package 2 via Aconex)

**THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW**

| Item | Document No                   | Revision | Title   | Number of Sheets |
|------|-------------------------------|----------|---|------------------|
| 1    | E779-SIAC-SYSTRAS-DS-CVL-0081 | 00       | Pre-qualification of 3 <sup>rd</sup> party for steel structure test (Endel Egypt prequalification) belong to EL Zamil Company |                  |
| 2    |                               |          |   |                  |

Comments by: *Approved as per Attached.*





Comments by: *Approved as per the attachments*

**APPROVED**  
By Dr. Hanan Eltohy at 3:23 pm, Sep 14, 2022

**B. APPROVED**  
WORK MAY PROCEED SUBJECT TO QUALIFICATION OF CHANGES DURING THE PROJECT.  
By Hanan Eltohy  
For. Inf. Mahmoud Elhelwan  
6/9/2022

| APPROVAL STATUS |                |      |      |         |
|-----------------|----------------|------|------|---------|
| Organisation    | Name           | Sign | Date | A-AWC-R |
| Contractor      | Eng/ Nabil Ali |      |      | A       |
| Designer        |                |      |      |         |
| GARB *          |                |      |      |         |
| ER              |                |      |      |         |
| NAT             |                |      |      |         |



|   |  |  |  |   |
|---|--|--|--|---|
| <b>Employer:</b><br> | <b>Contractor:</b><br>CCC-ATRIUM JV<br> | <b>Project Title:</b><br><b>TMG Projects</b><br><i>Four Seasons Hotel - Cairo Capital<br/>Hotel Structure Package (CP03)</i> | <b>Consultants:</b><br> | <b>Engineer:</b><br> |
| CONTRACTOR PROJECT NO. 1225   | DOCUMENT NO.<br>FM-QMP-1225-002-002A   | REV. NO./DATE<br>000/ 25-05-2021   | PAGE<br>2 of 2   |   |
| <b>DOCUMENT TITLE:</b> DOCUMENT TRANSMITTAL FORM  |  |  |  |   |
| <b>TRANSMITTED TO:</b> Hill International<br>Att.: Eng. Nader Kamal - Project Manager                 |  |  | <b>Transmittal No:</b> 1134-MD-CP03-JV-T-000293<br><b>Date:</b> 30 <sup>th</sup> January 2022              |   |
| <b>Rev. 00</b>  |  |  |  |   |

Engineer Comments:

Approved.

Reviewer:




Name: Mohamed Helmy Title: Senior St. Eng. Signature: M. Helmy Date: 10 Feb 2022

|                 |               |            |            |
|-----------------|---------------|------------|------------|
| Structural      | Architectural | Electrical | Mechanical |
| <u>M. Helmy</u> |               |            |            |

Project Manager: Adany Abdel Elwa Date: 10 Feb 2022

- A- Approved**, Work may proceed.
- B- Approved As Noted**, Work may proceed, Contractor must resubmit within seven (7) days incorporating comments.
- C- Not Approved**. Contractor must resubmit. The work may not proceed.
- D-Review Not Required**.

**Important:** This review by the Engineer is for the sole purpose of ascertaining conformance with the general contract requirements. This review does not mean that the Engineer relieves the Contractor of his responsibility for errors or omissions or responsibility for meeting requirements of the Contract Documents.

**Experience Certificate**

ANSALDO ENERGIA and EME ElKrom Middle East Certify that ENDEL EGYPT for welding and consulting participated in the following project


6<sup>th</sup> October Power Project Phase III Converting Existing Simple Cycle to Combined Cycle

• ENDEL Scope of work was as following:


- A - Performing and Supervision of PT, RT(NDT) as per approved ITP.
- B - Performing and Supervision of Phased Array (NDT) as per approved ITP.
- C - Third party of PNEUMATIC TIGHTNESS TEST (PTT)
- D - Third party of vacuum box test

ANSALDO ENERGIA and EME ElKrom Middle East Certify that ENDEL performance was excellent during the project execution; for all the above activities to the satisfaction of all Two companies.

**EME ElKrom Middle East Signature:**



**ANSALDO Signature:**



Sub-contractor's approval



Project No. E16104-04005/T-04 Ministerial Buildings On Plot 9B&10B

|               |                         |                 |
|---------------|-------------------------|-----------------|
| Employer:<br> | Engineer:<br><b>dar</b> | Contractor:<br> |
|---------------|-------------------------|-----------------|

1. Sub-contractor's particulars

Company name : Third Party Agency For Steel Fabrication Q.C And ITP (ENDEL EGYPT)

Company line or works الاعمال المعدنية

Address : زهاء مدينة نصر - القاهرة

The following prequalifying documents should be enclosed :

- Commercial Register  
  Founding Contract  
  Summary of Experience  
  Financial Statements  
 Present Works  
  Company Staff  
  Company Equipment



2. Sub-contracted works

Section of the work : اعمال الصلب الانشائي

BOQ Items : 5120

Total value of sub-contract (in contract rates) :

Cumulative value of sub-contracted works to-date (in contract rates) :

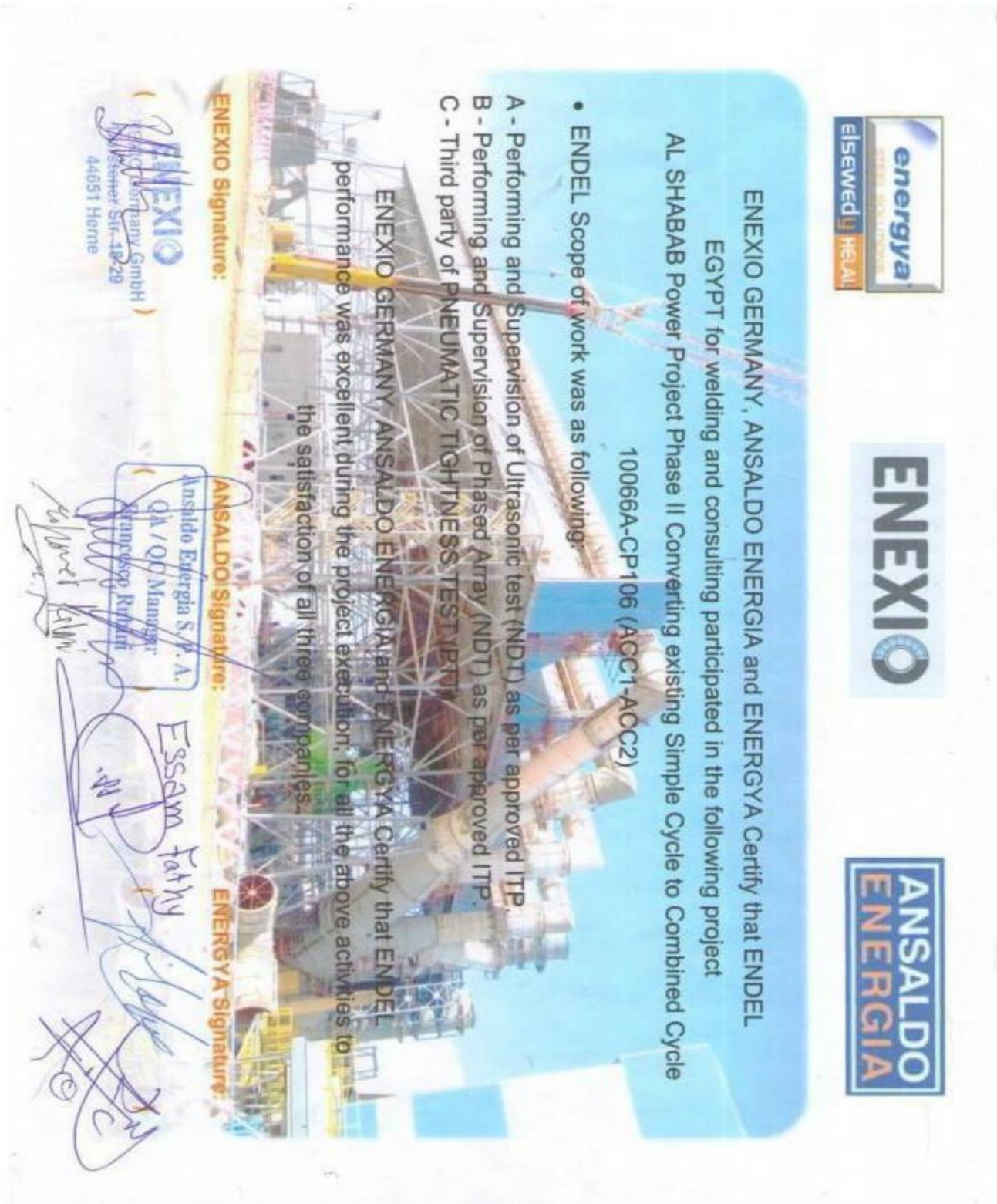
Submitted by : \_\_\_\_\_ Signature:



3. Engineer's representative comments

Approved as Noted action CODE ( B )  
 ENDEL" is accepted as a third party, taking into consideration the following:  
 1-Main contractor "EL-SOADAA" to submit the Inspection and Test Plan "ITP" in a separate submittal identifying the scope / role of all parties.  
 2-This is to confirm that all personal qualifications certificates should be always updated during project time.  
 3-Contractor to make sure that all equipment and tools shall have valid updated calibration certificates during project time.  
 Gamal Hamed /Amr Abd El Mohsen  
 25/6/2018

The engineer's representative:

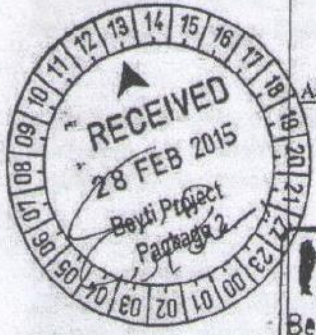
Signature: \_\_\_\_\_ Date : \_\_\_\_\_



|  |  |                               |
|--|--|-------------------------------|
| BEYTI PLANT EXTENSION  |  | PACKAGE<br>2<br>Project :1607 |
| ECG(Engineering Consultants Group)   | <br>ECG ENGINEERING CONSULTANTS GROUP S.A.<br>Address: 38 Ali Amin Street (Moustafa El Nahns) 7 <sup>th</sup> District - Nasr City - CAIRO |                               |
| GAMA FOR TRADING AND CONTRACTING   |  |                               |
| <br>Address: 38 Ali Amin Street (Moustafa El Nahns) 7 <sup>th</sup> District - Nasr City - CAIRO |  |                               |

|   |                 |                             |
|---|-----------------|-----------------------------|
| CONTRACTOR'S REQUEST FOR APPROVAL (RFA) | RFA Number:     | 58 STRUC                    |
|   | RFA Issue Ref:  | 00                          |
|   | RFA Issue Date: | 18 <sup>th</sup> Feb - 2015 |

|  |  |   |
|--|--|---|
| To the Engineer:<br>ECG(Engineering Consultants Group)                   | From the Contractor:<br>GAMA FOR TRADING & CONTRACTING                               |   |
| The Engineer is requested to respond to this REQUEST FOR APPROVAL (RFA): |  |   |
| Contract Document Ref<br>Volume/Title/Page/Clause                        | Description  | Consultant's Comment  |
| Subject :<br>Inspection agency for steel structure<br><br>1- ENDEL       | Inspection agency for steel structure<br><br>1- ENDEL Egypt for welding & consulting | * Approved &<br>have to make all<br>duties on the attached<br>No.1.   |
| Attachment :<br>• profile<br>• Letter no 11 ECG                          |  | ECG ENGINEERING CONSULTANTS GROUP<br>Technical Office Department H.Q.<br><b>APPROVED</b><br>With the reservation of notes as<br>noted on this Request<br>By: <i>[Signature]</i> Date: 26-2-2015 |



This Request does not constitute a notice under Conditions of Contract Clause 6.3. Engineer's Representative is to acknowledge receipt by signing and returning one copy to the Contractor.

|  |   |  |
|--|---|--|
| Reviewed by<br>Contractor's Assistant<br><br>Name: A.ABDEL RAOUF<br>Signature: <i>[Signature]</i><br>Date: | Issued by<br>Contractor's Representative<br><br>Name: M.KAMAL<br>Signature: <i>[Signature]</i><br>Date: | Received by<br>Engineer's Representative<br>ECG Engineering Consultants Group<br>Beyti Plant Extension Project<br>(Project 1607/S1)<br>Signature: <i>[Signature]</i><br><b>RECEIVED</b><br>Date: 18/2/2015 |
|--|---|--|

File: 1,2,3,1

## Sub-Contractor's Approval



Date: 23 May, 2021

Ref: SCA-CSCEC-01-ME-0005-00

Project No. & Title: E18066-02005 - The Central Business District of the New Administrative Capital of Egypt

|   |   |   |
|---|---|---|
| <b>Employer:</b><br> New Urban Communities Authority | <b>Engineer:</b><br> | <b>Contractor:</b><br> 中國建築股份有限公司<br>CHINA STATE CONSTRUCTION ENGINEERING CORP. LTD. |
|---|---|---|

### 1. Sub-contractor's particulars

Company name : Endel Egypt

Company line or works : Consulting Inspection

Address :

The following prequalifying documents should be enclosed :

- Commercial register   
  Founding contract   
  Summary of experience   
  Financial status  
 Present works   
  Company staff   
  Company equipment

### 2. Sub-contracted works


Section of the work : Chilled water pipes welding inspection(For Iconic Tower)

BOQ Items : -

Total value of sub-contract (in Contract rates) :

Cumulative value of sub-contracted works to-date (in Contract rates) :

Submitted by : Huang Liexin / Ou Wenhao

Signature: 

### 3. Engineer's Representative comments

**Endel is approved as NDT subcontractor , NDT procedures to be submit for DAR review and approval.**

**Hossam Salama**  
**Ahmed Abdel Mon'em**  
**Tamer Elbeltagy**  
**14-06-2021**

The Engineer's Representative:

Signature:

Date :

**Sub-Contractor's Approval**  
 CBD PROJECT IN  
 NEW ADMINISTRATIVE CAPITAL

**dar** Dar Al-Handasah  
 09 OCT 2019  
 RECEIVED  
 Prj. No. E18066-02005 Time

Date: 09 Oct.2019  
 Ref: SCA-CSCEC-01-ST-0046-01

Project No. & Title: E18066-02005 - The Central Business District of the New Administrative Capital of Egypt

|               |                         |                 |
|---------------|-------------------------|-----------------|
| Employer:<br> | Engineer:<br><b>dar</b> | Contractor:<br> |
|---------------|-------------------------|-----------------|

**1. Sub-contractor's particulars**

Company name : ENDEL EGYPT

Company line or works consulting inspection , construction services

Address :

The following prequalifying documents should be enclosed :

Commercial register     Founding contract     Summary of experience     Financial status

Present works     Company staff     Company equipment

**2. Sub-contracted works**

Section of the work : steel structure Tests

BOQ Items :

Total value of sub-contract (in Contract rates) :

Cumulative value of sub-contracted works to-date (in Contract rates) :

Submitted by : Zou Xain De      Signature: *waleed*

|                            |          |
|----------------------------|----------|
| <b>dar</b> Dar Al-Handasah |          |
| Project No.: E18066-02005  |          |
| Received                   |          |
| Distribution               |          |
| MOH-SA                     | ✓        |
| OSA-M                      | ✓        |
| dar Egypt                  | 09.10.19 |

**3. Engineer's Representative comments**

*Refer to the attached comments on Code (B) : Approved as noted.*

*dar 10/10/19*

**CSCEC Ltd. ( Egypt )**  
**Received**  
 12 OCT 2019  
 CBD Project In New Administrative Capital

The Engineer's Representative:  
 Signature: *[Signature]*      Date : 10.10.19

|  |  |   |                           |
|--|--|---|---------------------------|
| Engineer:<br>Project Manager & Supervisor<br><b>ECG</b> <b>مجموعة شركاتها</b><br>ENGINEERING CONSULTANTS GROUP S.A.<br>Director: Red Sea Consultant<br> | <br><b>الجهاز الوطني للإدارة والاستثمار</b><br>National Authority for Management and Investment  | Document No. : DOC/ARCH/098<br>Rev. No. : 00<br>Date : 29/03/2021<br>PROJ NO : 2019<br>Page : 1/1<br>Attachments : A4 |                           |
| PROJECT Name : Capital Walk<br>New Administrative Capital  |  |   |                           |
| <b>DOCUMENT SUBMITTAL</b>  |  |   |                           |
| From: Red Sea Consultant   |  | To: ECG   |                           |
| Reference: Specifications - Sec  |  |   |                           |
| Subject :  |  |   |                           |
| Description of document transmitted: شركة ENDEL EGYPT لأختارات اللامات والشاميهات المعنية  |  |   |                           |
| شركة ENDEL EGYPT لأختارات اللامات والشاميهات المعنية الخاصة بأعمال GRC لشركة فايزكس  |  |   |                           |
| ECG Engineering Consultants Group<br>Capital Walk - Masrah Group<br>(Project No. 2019)   |  |   |                           |
| Received by:<br><b>RECEIVED</b><br>Date: 29/3/21<br>Time:  | <input type="checkbox"/> Code A ( Approved )<br><input type="checkbox"/> Code B ( Approved as Noted )<br><input type="checkbox"/> Code C ( Approved in Principle -Resumet )<br><input type="checkbox"/> Code D ( Projected ) | The Capital Walk<br>شركة البحر الأحمر للمطالان والتشييد والصيانة  |                           |
| Engineer's Comments:<br>* الشركة المقدمه تقدمه لإجراء الاختبارات على اللامات الموقرة   |  |   |                           |
| Approved As Noted<br>ECG Engineering Consultants Group<br>Capital Walk - Masrah Group<br>(Project No. 2019)<br>By: [Signature]<br>Date:  | Received by Contractor:<br>Date:   |   |                           |
| Approval shall not release the Contractor from liability unless a written and recorded authorization of any change to the Contract Documents.  |  |   |                           |
| ST-STRUCTURE<br>FF-FIRE FIGHTING   | ARCH-ARCHITECTURE<br>PF-PLUMBING   | COMP-COMPOSITE<br>HVAC  | EL-ELECTRICAL<br>OT-OTHER |



CONSTRUCTION OF 10<sup>TH</sup> OF RAMADAN RAILWAY  
PROJECT (LRT) - CONTRACT NO. 76 / METRO

Studies Sector

213

Inter office memo No.: TD/2019/ /690

date: 26/01/2020

Transmittal of Approved with Comments Documents

Messrs.: GAMA & ROWAD JOINT VENTURE.

Reference: GR-WTRAN-000286 of 09/01/2020.

Document No.: GR-L22-CO-CER-QAQC-150-0003.

Subject: Prequalification INDEL EGYPT – THIRD PARTY AGENCY FOR

STEEL FABRICATION.

Dear Sirs;

Referring to your above letter concerning the above subject, kindly be informed that The above mentioned document is considered (approved with comments) considering the following comments: -

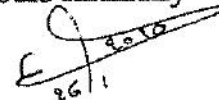
- 1- Inspection test plan to be submitted.
- 2- All certificates to be up to date.
- 3- Scope of work to be determined.

Mohamed

  
rad.

We remain,

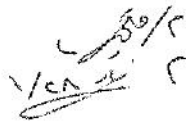
Yours faithfully

  
26/1

Eng. Ahmed Hassan Khalil  
Head of planning and Studies Sector

Copy to:

- o K&A
- o NAT/CWD&FUD.



BPC EGYPT



بإيد بائع لساك مصر

BPC Egypt company certify that Endel Egypt company Worked as Third Party for Fire Stop Activities through BPC Egypt at many projects at last 3 years , and endel Egypt co. work at the following projects 2021 : -

- 1-The Egyptian American School Project
- 2-Kafr El-Sheikh cancer hospital project

Best Regards,

Ahmed Yassin

01129477555

Operation Director

Bpc Egypt

Golden Mall - Vodafone square - 6th October City  
Tel: 0238320166 Fax: 0238320163  
Mobil: 01120855999 - 01120855888 - 01129477555  
E-mail: info@bpcegypt.com  
www.bpcegypt.com

Intercert Registered.  
ISO 9001:2015  
ISO 14001:2015  
OHSAS 18001:2007

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