



EGPC  
Egyptian General Petroleum Corporation



مركز بحوث و تطوير الفلزات



Electro-Spect



INNOVATEST



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ARABIC CHEMICAL CONSULTING CENTER

## About

Established on January, 1986 specialised in Radiation measurement and protection in both medical & industrial application.  
Having the right systems, processes and procedures ensures consistency that is critical in complying with relevant codes, requirements, regulations and standards.  
ACCC end-to-end approach to inspection factors in accountability, consistency and compliance at every stage.  
Our services that include infrastructure and construction inspection, installed equipment inspection, factory inspection, hygiene inspection as well as pre- and post-shipment inspection



### Vision

It is our aspiration to be the first preferred choice of the industry when it comes to industrial inspection , engineering , technology , technical services and non-destructive testing provider nationwide or even world wide



## Sectors

Inspection  
and  
Device supply

Training  
Courses

Manufacture

- Petrojet
- delta fertilizer
- (DEFCO)
- Ferrometalco
- EGYPT COMPANY
- Quality control
- ELKOMY
- amreya refining company
- مصنع 200 الحربي
- Aresco asec
- elsewedy
- شركة النصر لصناعة المحولات
- شركة GMC
- شركة قنديل
- شركة أرسكو اسيك
- ملاهي دريم بارك
- شركة النظم التكنولوجية
- شركة جنوب الكهرباء
- اسمنت حلوان
- شركة ريجا
- اسمنت السويس
- شركة كومبيل
- مجموعة شركات طلعت مصطفى للإنشاءات المعدنية
- شركة الفا للصناعات المعدنية
- شركة سبيرو بلاست
- شركة جانزا ايجيب
- شركة استيل تك (كوزموس)
- EZZ STEEL
- ورشة السلام
- مكتبة هندسة المواد والفلزات
- شركة النظم التكنولوجية
- INSPECTA
- المجموعة الهندسية للجودة
- جهاز مترو الانفاق
- معهد الطيران
- شركة P.M.S
- petrobel
- شركة التمساح لبناء السفن
- شركة ويكم
- MOG
- شركة المسابك الحديثه
- الشركة الوطنية للصناعات الحديدية
- مصنع قادر (الهيئة العربية للتصنيع)
- ملاهي دريم بارك
- اكاديمية اللحام
- ورش ديزل بولاق
- ورش عربات ابو غاطس
- ورش التبين
- ورش الزقازيق
- ورش سكك حديد طنطا
- ورش سكك حديد ابو راضى
- الترسانة البحرية بالاسماعيلية
- ترسانة امبابه
- ترسانة السويس
- شركة الاعمال الهندسية ببورسعيد
- ورش عربات ابو غاطس
- ورش التبين
- شركة قنديل
- اكاديمية اللحام المصرية
- ورش الزقازيق
- شركة يونيفرسال
- ورش سكك حديد طنطا
- ورش سكك حديد ابو راضى
- السكر للصناعات التكاملية بالحوامدية
- شركة اسكندرية للصناعات المعدنية
- مصنع 99 حلوان
- شركة الدقهلية للسكر
- سيماف

### Training courses

Phased array level II

Ultrasonic inspection (UT) - level I & II

Liquid Penetrant inspection ) - level I & II

Magnetic inspection - level I & II

Visual inspection - level I & II

Radiography inspection - level I & II

Theoretical period 44 hrs. & practical 36 hrs. under supervision instructor :

Certified ASNT NDT level III with English manual and full raw data according to

ASNT TC 1 A with full timeline of days individually including

viewing procedure ,programs , method ,coating , drilling tools , tables , practical calibration for all devices



### Vendor inspection services

Extensive support throughout your own supply chain

We ensure that the manufacturing processes of your vendors and subcontractors are in compliance with industry standards and regulations. Additionally, we assess product quality, availability and supplier competence. Our vendor inspection services increase transparency and ensure quality and compliance of the equipment and products you purchased, allowing you to avoid unnecessary costs.



## Industrial Services

- The Center performs Engineering Inspection (NDT)
- Conducting inspections in the field of inspections, inspection requests, inspection missions and US missions, and with them the inspections in Pakistan, where we have a department specializing in that:
  - Supplying devices and equipment for radiation protection and radiation isolation works
- 1 - Penetrating pigments and magnetic powders: Perfect local production, Egyptian industry Importer and distributors of major American international companies (Met - L - check)
- 2 - Distributors of major international companies for ultrasound testing equipment (UV)
  - Ultrasonic Flaw Detector
  - Ultrasonic Thickness Gauge
  - Coating Thickness Gauge
  - Hardness Tester
- 3- Probes ( Transducers & Cables).
- 4- Suppliers of crack detection devices
  - magnetic yoke
  - UV lamps
- 5 - Supplying all necessary protection against radiation (radiation commission measuring devices - radiation protection nibs - Egyptian industry)

## Mega Projects

### Oil Sterategic Tanks

Working as third party of the mega project at a good site for phased array inspection in One of the largest warehouses for storing crude oil in Egypt and the Middle East, in 4 regions in the Eastern Desert, with a total of 24 tanks, in cooperation with the "Sumed" company, and the companies "Petrojet", "Enppi", "Petroment", "Schneider" and "San Egypt" And some other bodies as contracting companies to implement construction work and provide technical advice.

### Inspection services

- PAUT , TOFD inspection services (( corrosion mapping , welding inspection))
- Ultrasonic test (flaw & thickness)
- Dye penetrant test
- Magnetic tests
- Radiographic test
- Visual tests
- Eddy current
- Drilling inspection ( DS-1)

### PAUT inspection

- phased array ultrasonic testing is a more advanced form of conventional pulse-echo ultrasonic testing. In both, high-frequency ultrasonic waves are transmitted into a physical object, such as a weld, to produce echoes. The echoes are recorded, analyzed, and reported on by the ultrasonic testing instrument

### Ultrasonic flaw detector

- Ultrasonic thickness gauge
- Coating thickness gauge
- Probes ( transducers & cables)



### eddy current test

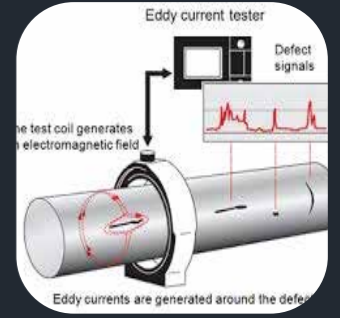
- Eddy current testing uses electromagnetic induction to detects flaws in conductive material healthy safety equipments

### Gas/leak detection

- Combustion gas analyzer
- Multi-gas analyzer
- Leak detector
- Dust analyzer
- Gas controller
- Calibrator

### Equipments

- PH meter
- Tachometer
- Light measurements
- Noise measurements
- IR- thermometer
- Data logger ( pressure - temperature - moisture)
- Gauges ( P - T - ....etc)



### penetrant test

- Dye penetrant
- Fluorescent penetrant
- ultraviolet lamps

### magnetic test

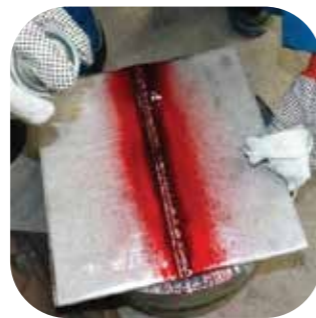
- magnetic yokes
- magnetic test block (pie)
- magnetic particles spray
- magnetic white contrast

### radiographic tests

- Portable X-ray
- Gamma ray ( directional & panoramic )
- Radiation protection ( Aprons & survey and dosimeter)

### Visual tests

- Remote Visual inspection
- Welding gauges



### lab and site equipment

- Hardness devices ( portable , Rockwell , brinell )
- Universal testing machine
- Paint test equipment
- Chemical analyzer XRF
- Vibration meter

### manufacturing

- Dye penetrant particle spray - PT perfect
- Magnetic particle spray - MT perfect
- Illuminator / viewer
- Lead markers
- Lead tapes
- Cassettes for x ray films

