

ENGINEERING HORIZONS FOR OIL SERVICES

Bringing Technology To Your Horizons



Engineering
Horizons



ENGINEERING HORIZONS

SPORT EQUIPMENT



A Technology Solutions Company

About Engineering Horizons



Engineering Horizons is an established company defining advanced technical solutions for clients globally, the company was originally formed in 2006 as a UK registered entity, more recently in 2019 and 2021, the company has established its Iraq and UAE registered entities that allow us direct access to the lucrative Iraqi and GCC markets.

The company has access to a number of extremely talented and industry-recognized individuals that allow Engineering Horizons to provide truly world-class service. While we do not own our own products, our strengths are in harnessing the best of the technologies available on the market and applying these in the best way to obtain the most optimal solutions for our clients.

We have worked in the following countries:

- Italy
- The UK
- Egypt
- Libya
- Angola
- Turkey
- Jordan
- Iraq
- UAE



Message From The CEO



Our goal is to achieve technical excellence for our clients and customers, this can only be achieved through our people. Pushing the technological boundaries is achieved through having motivated and skilled staff.

Our industry is moving more and more into the digital space, with digital oilfield technology, automation, big data and data science taking over, we want to ensure that our clients stay ahead of the competition.



Business Model



Engineering Horizons is an international upstream oil and gas services company providing technical expertise and cost-effective technology solutions to clients globally. We have an internationally experienced culturally diverse and highly skilled team of professionals who are determined to provide innovative and efficient solutions to our clients and help them to achieve their objectives.

Our core business has been consultancy and training which have proved to be extremely important and valuable to obtain our recognized status, trust in clients, and recognition for our capabilities. Our move into the middle east through the opening of our UAE and Iraq offices has been a key step forward to further open new avenues for the business including Digital and Technology deployments as well as the sale of Quality Products, but with the core business remaining to be consultancy and training in the fields of Petroleum/Reservoir Engineering with an extra focus on Artificial Lift.

Our strategy is to have key partnerships and relations with world-class suppliers that can provide us with the products that are unique within the industry to allow us to provide the most appropriate technology solutions for our clients.





Prudent Solution

Engineering Horizon is a locally registered oil field services company in collaboration with Prudent solutions a leading company from Bahrain with 25 years of experience in similar industries intends to provide best-in-class solutions to clients in Oil, Gas, and petroleum companies. We are staffed with a highly experienced team of industry professionals to provide turnkey solutions for Fire & Gas Systems, and integrated Automation Systems based on the state of the art technology from the conceptual stage to commissioning and operations.





About Prudent Solution

- Established in 1999.
- 47 staff & growing fast.
- Yearly turnover 8 Million USD.
- Longest serving integrator/ partner in the Middle East to Rockwell and Siemens

Qualified main automation contractor with cap

- **System Integration :**
PLC'S & SCADA, ESD Systems.
- **Instrumentation :**
Engineering, Services, Installation, Commissioning, and maintenance.
- **Panels integration :**
Large Workshop in BIIP, HIDD BAHRAIN to engineer & integrate panels for control systems.



Objectives:



- We provide requirements of Integration of Control and Instrumentation Panels within this facility for third-party PLC/ DCS companies.
- Our engineers are also involved in Site installation, erection, and commissioning of Field instrumentation.
- We provide a Turnkey process from concepts to completion and operation maintenance.
- locally support all you provide

Locations

BAHRAIN

Saudi Aramco, Sabic Group of companies, Bapco Refinery,
Tatweer Petroleum, Aluminum Bahrain, GPIC,ETC

QATAR

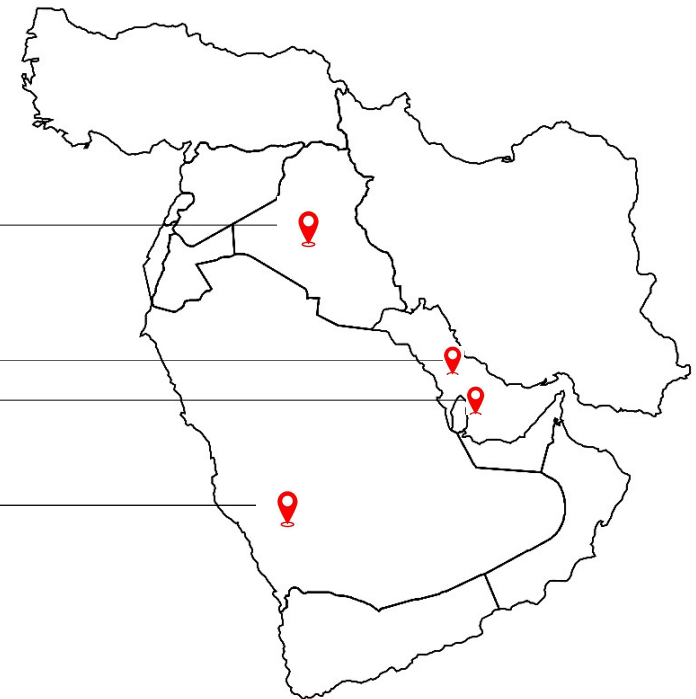
Saudi Aramco, Sabic Group of companies, Bapco Refinery,
Tatweer Petroleum, Aluminum Bahrain, GPIC,ETC

SAUDI ARABIA

Saudi Aramco, Sabic Group of companies, Bapco Refinery,
Tatweer Petroleum, Aluminum Bahrain, GPIC,ETC

IRAQ

ENI, PB, BGC, EXXON MOBIL, PetroChina,
LUKOIL, ANTON OIL, ETC



We service various industry sectors that include:

Our services

- Oil & Gas – Upstream.
- Oil & Gas – Downstream.
- Chemicals.
- Water & Waste Water.
- Power & Utilities.

The various activities of this division include:

- Detailed Engineering.
- Site Service and studies for Brown Field requirements.
- Application Engineering & design.
- Supply.
- Commissioning & After-sales Support
- Documentation.
- 12X7 Remote & On-site support.
- Customer Training (On-site & Off-Site).
- Consultant Studies and Site Support.

Our projects

BELOW ARE SOME OF OUR PROJECTS

ALBA-Substation-Monitoring



BAPCO-Sitra-Marketing-Terminal



ARAMCO-Udaliyah-Sewage-Treatment-Plant



Tatweer-Tank-Battery







Tatweer-Well-Manifold



GPIC-Ammonia-Refrigeration-Compressor



Our Partner: Associated with

- Rockwell Automation / Allen Bradley as an authorized recognized. system house for PLC'S & SCADA systems.
- Det-Tronics Flame and 
- Yokogawa middle east. 
- Bently Nevada middle east. 
- Woodward.
- Siemens as a system house for PLC'S and SCADA -PCS system.. 
- SIL-2, SIL-3 PCS, ESD systems.



SIEMENS

Major customers:

- Saudi Aramco
- Sabc Group of companies
- Bapco Refinery
- Tatweer Petroleum
- Aluminum Bahrain
- GPIC (Gulf Petrochemical Industries Company)
- Ministry of Electricity & Water (Hidd, Sitra , Al Ezzel)



Why Prudent Solution?



- 20+ years of experience in the Oil & Gas Sector
- The Longest serving Rockwell and Siemens integrator in the Middle-East
- An Automation Solution provided for a major oil company.
- Quick, Accurate, and committed response.
- Provide diagnosis and solve existing issues.
- Provide engineer new solutions.
- customer-centric approach.
- Highly Experienced team in stock solution provide for ICSS, PLC, SCADA, And Fire & Gas solution.

- We are staffed with a highly experienced team of industry professionals to provide turnkey solutions for Fire & Gas Systems, and integrated Automation Systems based on the state of the art technology from the conceptual stage to commissioning and operations.
- **Det-Tronics** has been providing proven flame detection, gas detection, and hazard mitigation systems for high-risk processes and critical industrial operations worldwide since 1973.
- A leader in fire and gas safety systems, Det-Tronics is part of Carrier, a leading global provider of innovative HVAC, refrigeration, fire, security and building automation technologies.



Flame Detection

More than 40 years of leadership

Gas Detection

Technical knowledge and innovation

Safety Systems

Dedicated to Protection

Engineering Expertise

Effective, flexible and reliable

Support Services






Comprehensive lifetime commitment

Gas hazards application:

- LNG/LPG Facilities
- Turbines.
- Compressor Stations
- Storage Rooms/Areas
- On and Offshore Platforms
- Battery Rooms
- Storage Tanks
- Oil Wells/Transfer Stations
- Boilers/Furnaces/Kilns
- Gas Conditioning Plants



Gas Detection:


	<p>Combustible Gas Point Detection</p> <p>You can count on Det-Tronics to engineer and deliver point gas detectors with field-proven performance and minimal maintenance/calibration requirements for your combustible gas detection needs.</p>		<p>FlexSight™ LS2000 Line-of-Sight (LOS) Infrared Hydrocarbon Gas Detector</p> <p>Continuously monitors for hydrocarbon gas clouds in large open areas up to 120 meters. Often used for line-of-sight gas detection applications involving hydrocarbon gases (excluding hydrogen). The LS2000 is the next generation and replaces the Open Path Eclipse® (OPECL) IR Gas Detector.</p>
	<p>Toxic Gas and Oxygen Depletion Detection</p> <p>Our field-proven toxic gas and oxygen depletion detection solutions deliver protection for both people and processes.</p>		<p>FlexSonic® Acoustic Gas Leak Detector</p> <p>Monitors for the distinct ultrasound emitted by pressurized gas leaks across a wide spectrum of frequencies. Often used for use anywhere detection of pressurized gas leaks is required and using other technologies is difficult.</p>
	<p>FlexVu® Universal Display Family Overview</p> <p>The FlexVu® Universal Display family is a great solution where you want the convenience of a dedicated display at or near the detector that provides non-intrusive calibration, local event logging and other capabilities.</p>		<p>GP16 Pre-configured Gas Panel</p> <p>Det-Tronics offers a preconfigured gas panel, approved for life safety, with 16 inputs for combustible and toxic gas detectors, separately or in combination.</p>

Fire Hazards Application:

- Aircraft Hangars
- Automotive
- Energetic Material Manufacturing
- High Voltage Direct Current Converter Stations
- Oil & Gas
- Liquefied Natural Gas Facilities
- Storage Tanks
- Petrochemical
- Power Generation & Mechanical Drives



Flame Detection:

 <p>X3301 Multispectrum Infrared (IR) Flame Detector</p> <p>Our most versatile multispectrum detector, the X3301 is often used for applications such as hangars, refineries, tank farms, loading racks and more.</p>	 <p>X3302 Multispectrum Infrared (IR) Hydrogen Flame Detector</p> <p>Detects hard-to-see hydrogen flames and other non-carbon-based flames. Often used for applications such as refineries, turbine enclosures, hydrogen storage and battery rooms.</p>
 <p>X5200 Ultraviolet Infrared Flame Detector</p> <p>Detects hydrocarbon fires by correlating signals from both an ultraviolet (UV) and infrared (IR) sensor. Often used for applications such as munitions and aerosol fill.</p>	 <p>X9800 Single Frequency Infrared (IR) Flame Detector</p> <p>Detects the infrared (IR) radiation of hydrocarbon fires. Often used for applications such as printing and powder coating.</p>
 <p>X2200 Ultraviolet (UV) Flame Detector</p> <p>Responds quickly and reliably by detecting the UV radiation emitted by most fires. Often used for applications such as metal-working and production and for electrical arc detection.</p>	 <p>PM-5MPX Dual Spectrum IR Flame Detector</p> <p>Engineered for the rigorous requirements and caustic environment of the semiconductor fabrication industry, the PM-5MPX delivers excellent detection sensitivity and false alarm immunity.</p>

Major customers:

- Baker Hughes
- ExxonMobil Iraq Limited-West Qurna 1
- Lukoil - Iraq-GTTP
- BP P.L.C
- PetroChina - FZE
- ANTON OIL (MAJNOON OIL FIELD)
- Eni: energy company
- Royal Dutch Shell plc.



Why Det-Tronics?

- Since 1973, Det-Tronics has led innovation in the industry. The complete product line is installed, certified and integrated into complex and demanding applications.
- Det-Tronics engineers develop systems to mitigate risk, meet rigorous standards and provide safety to the most challenging locations.

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BRINGING TECHNOLOGY TO YOUR HORIZONS