

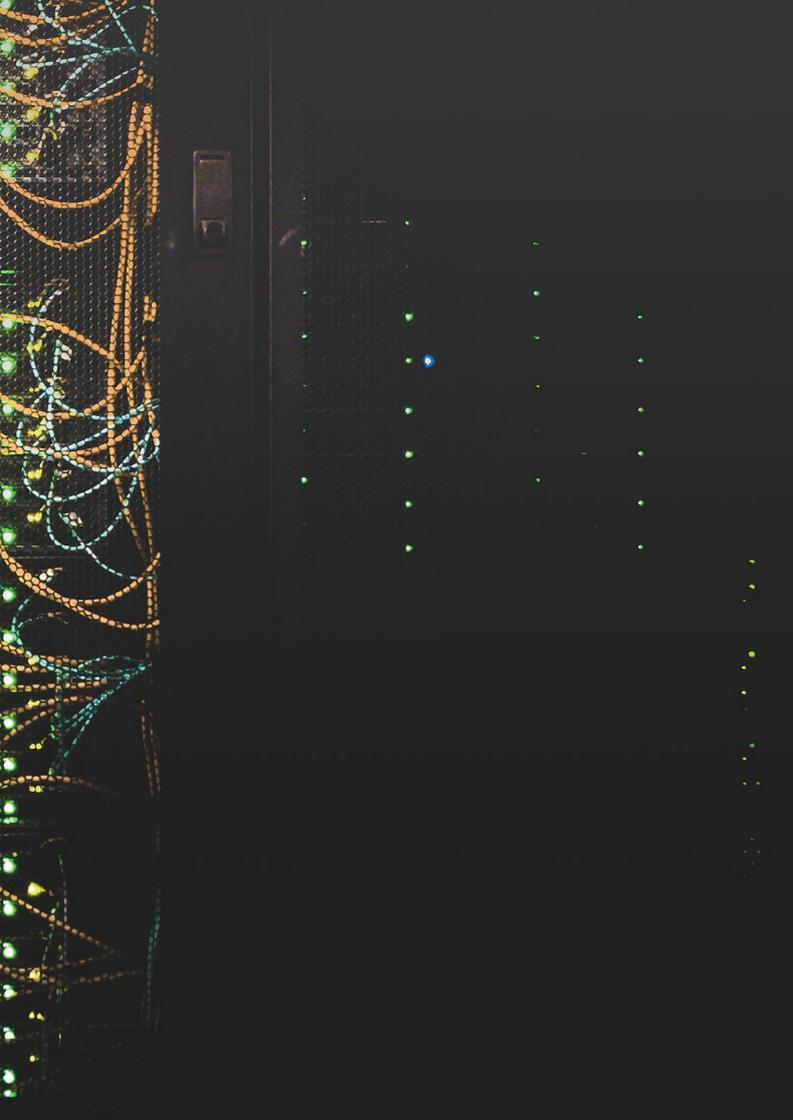


LAYERS

TECHNOLOGY

**COMPANY
PROFILE
≡ 2020**





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Introduction

Layers Technology Company, based in Dubai, UAE, with branch in Khartoum Sudan; Layers Technology considered being one of the fastest growing services providers and suppliers of Oil & Gas. We specialize in doing project of ICT projects, Chemicals, Power System, and Supply Chain for: Oil & Gas industry, Telecom, Power System, and Smart Agriculture systems.

Layers Technology responds to the industries changes and operational demands through innovative and upgrades to our products and services offering aiming to meet our customer operational demands in a timely manner.





Vision

To become the first choice of the customers, by supplying and providing turnkey solutions with quality products and value added services, aiming at customer delight with focus on customer retention through continual improvement of performance.

Mission

To conduct our business professionally and efficiently with state of the art technology to deliver the best; and to the utmost satisfaction of the customer. To strive continuously to increase the value of principals.

VALues

- » Integrity
- » Idealism
- » Honesty
- » Self-Discipline
- » Dedication to Others

ICT STRATEGY and SOLUTIONS

We work comprehensively with the oil and gas industry to shape IT and communications strategy and then deliver the associated infrastructure and services that enable these companies to conduct their business from any place, field, and office. Implementing fresh technologies and innovation advisors that help drive business value.

Consultancy

LAYERS TECHNOLOGY consulting services help our clients steer the transformation with the latest technology, design and agility, while also energizing your legacy systems.

We bring valuable industry experience to your projects to design solutions that do what you need them to.

NetWork

The network of a company or organization is not a single island. It is likely made up of multiple networks, including campuses, number of branches, remote fields, and may be data centers, all connected through a WAN or MAN.

These businesses and organizations require solutions that work across the entire network, throughout all «places in the network.»

LAYERS TECHNOLOGY is implementing fast, reliable voice, video and data networks covering LAN, WAN and Satellite that keeps information flowing and business critical processes and systems secure.



Data

LAYERS TECHNOLOGY sees that your data is always protected and accessible whenever and wherever it is needed, regardless of geographical location.

Security challenges are different for every business in every industry. Leveraging our partnership with global resources and advanced technologies, we create integrated, turnkey solutions tailored to your needs across your entire value chain.





Productivity

LAYERS TECHNOLOGY makes sure you have the right compute resources in the data centre and in the hands of your users. We remove barriers surrounding access to foster collaboration and enhance employee productivity.

Managed Services

LAYERS TECHNOLOGY unburdens your team from time consuming or critical ICT tasks such as service desk and network support. Every one of our solutions is project managed to a successful conclusion and is installed by our skilled engineering team.

Oil Projects

OIL & GAS CHEMICALS

LAYERS TECHNOLOGY supplies specialty wellbore chemicals used in a wide range of applications, including fluid loss control and sealing, emulsifiers, lubricants, and rheological modifiers for drilling fluids.

LAYERS TECHNOLOGY is committed to bringing innovation and high-value products to the oilfield through an ever-growing portfolio of additives. We offers advanced chemical solutions to meet the most demanding oilfield challenges around the world.

- » Drilling Fluids Additives; improve well economics and performance with fewer products and easier well-site transportation costs.
- » Cementing Additives. These additives can be used across a wide range of design densities to extend the slurry, enhance stability, control fluid loss, and mitigate gas migration.
- » Stimulation Additives.
- » Production Enhancement Additives.
- » Customer Centric Technical Solutions
- » Advanced Technology





OIL & GAS WELL SERVICES

LAYERS TECHNOLOGY collaborates with our clients to build custom solutions that maximize their chances for success and bring a tailored, multi-disciplinary team of professionals that fits your situation and company culture. While the process is never simple, our goal is, to help you face the future with confidence.

Every project **LAYERS TECHNOLOGY** involved include not only sacks or tool, but a team of highly skilled Engineers, Technicians, and Field personnel equipped to deliver the highest quality services and value to our customers.

- » Mechanical Wellbore Clean Services
- » Casing Exit Services
- » Down-Hole Circulation Values Services
- » Brine Filtration Services
- » Innovative Completion Technologies and Services



OIL & GAS SUPPLY CHAIN

Oil and Gas companies operate in dynamic and complex environments, where they face constant challenges especially in terms of supply and demand.

Collaboration is a particularly effective way to lower costs and simplify contractor management. Combining equipment, software and engineering, or other combinations of service offerings can unlock significant value for customers.

One-stop shop; is an logical idea to support customer saving , by working together with customers, from early stages, and negotiate the best scenario for the specific requirement need it.

LAYERS TECHNOLOGY's procurement solutions for the oil & gas industry encompass spend analysis, category management, strategic sourcing, supply market intelligence, supply risk management, and much more.

Procurement team of industry experts is continually focused on identifying new avenues of growth and efficiency for our oil & gas clients, and accelerating the process of value realization.

- Our Procurement system utilizes a proactive instead of a reactive approach to fulfill the customer requirement
- Develop and monitored procurement chain, from suppliers to the end users.
- Improve service quality and operational processes to meet our customer requirement.

Power Solutions

LAYERS TECHNOLOGY's Power Solutions services is dedicated to delivering and implementing a wide array of power advisory services for commercial, industrial, oil & Gas clients to take control of power solution costs. Our services are always focused on obtaining the best outcome for our clients.

Our services can be comprehensive and provide the full power solution procurement and management life cycle, or be very focused on a specific area of need. Rather than tell our clients what we want to do for them, we listen to what they need and then structure solution to achieve those objectives. Whether it's a one-time specific project, or an ongoing full service suite of services, we can structure a power solution.

Power Transmission Solutions

Our expert's engineers provide industry-leading technical support including installation supervision and material expertise for transmission line arrester placement and project calculations. By combining this world-class service with local knowledge, product development, and manufacturing capabilities, we set high standards of performance and customer care.

- » HIGH VOLTAGE CABLE ACCESSORIES
- » HIGH VOLTAGE SURGE ARRESTERS
- » HIGH VOLTAGE CONNECTOR SYSTEM
- » HOLLOW CORE INSULATORS

Power Generation:

When a particular site requires generator sets, one of the key factors determining whether natural gas or diesel-fueled units will be used is the expected duration for the generator sets' use on site.

Generators remain the go-to solution for many operations. Specifically, diesel generators are used in locations where no grid is present. There are several key reasons for this.

- » They are typically less expensive compared to traditional gas-powered systems.
- » They are readily available, as is the fuel for them, keeping them ideal for lower fuel costs.
- » They provide a solid level of stability and reliability.
- » It's possible to scale them – expanding their performance to handle new or more advanced needs over time.
- » Support and maintenance are readily available, making it possible to get them back up and running well if there is a problem.

Natural Gas

Natural Gas is a secondary option. To decide between the use of diesel or natural gas, a key decision-making factor relates to how long the site will be used. For long-term site use, it can be a better option to select a gas generator. These generators tend to be a preferred method due to lower fuel costs. For those locations where the location will be used for a short amount of time, the portability of a diesel generator offers a better solution.

Control Systems

Distributed Control Systems (DCS)

The distributed control systems (DCS) market in the oil and gas industry will register a CAGR of over 3% by 2023.

Automation control systems are an integral part of the oil and gas industry as they ensure accuracy and precision. DCS are some of the extensively used automation control systems in the oil and gas industry. These systems offer improved control over the production process.

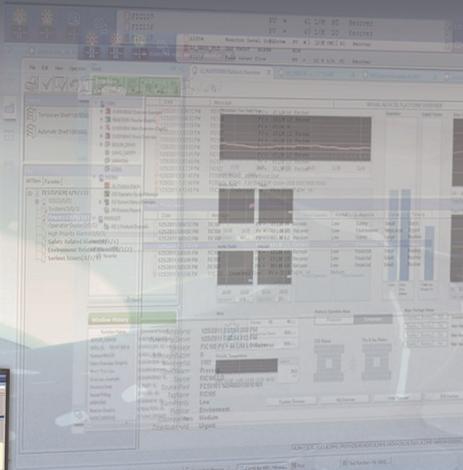
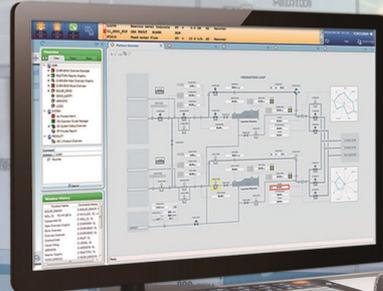
DCS help operators to control operations with the help of HMI and controller. These systems automate safety processes, such as alarm management system, and undertake corrective measures and predictive maintenance of equipment.

Key Players

- » ABB
- » Emerson Electric Co.
- » Honeywell International Inc.
- » Rockwell Automation Inc.
- » Schneider Electric
- » Siemens
- » SCADA Systems
- » SCADA is a platform technology used to control and supervise many types of industrial processes but also to optimize complex coordination of operations among multiple business partners. SCADA is widely applied in the upstream, mid-stream, and downstream oil and gas sectors. SCADA's ability to collect data at remote oil and gas sites reduces personnel visits and leads to route and dispatch optimization. But the profile of SCADA is changing in oil and gas.



Room
1
2 3



Smart Agriculture

SMART Agriculture

By 2050 there will be 9.6 people that are going to inhabit the planet. The agriculture sector will face a huge challenge in order to feed all those people. The Future of Farming will not depend fully on the sun, soil, water, but on lots of data, robots and A.I.

The New Vision for Agriculture, defined by World Economic Forum, holds that to meet the world's needs, sustainable agriculture must simultaneously deliver food security, environmental sustainability and economic opportunity. Achieving those goals requires a transformation of the agriculture sector, leveraging market-based approaches through a coordinated effort by all stakeholders, including farmers, government, civil society and the private sector.



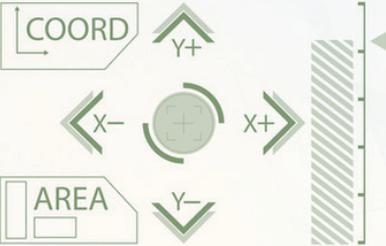
H 05 AUTONOMOUS HARVESTER CONTROL

COORD

Y+

X- X+

Y-

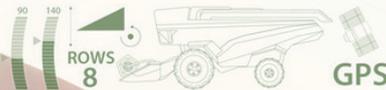


AREA

90 140

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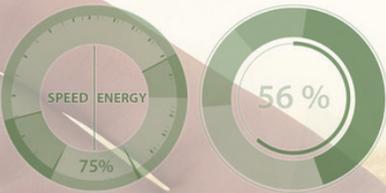
GPS



SPEED ENERGY

75%

56%



CONFIGURATION #1

CONFIGURATION #2

SETUP



RUN STOP

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