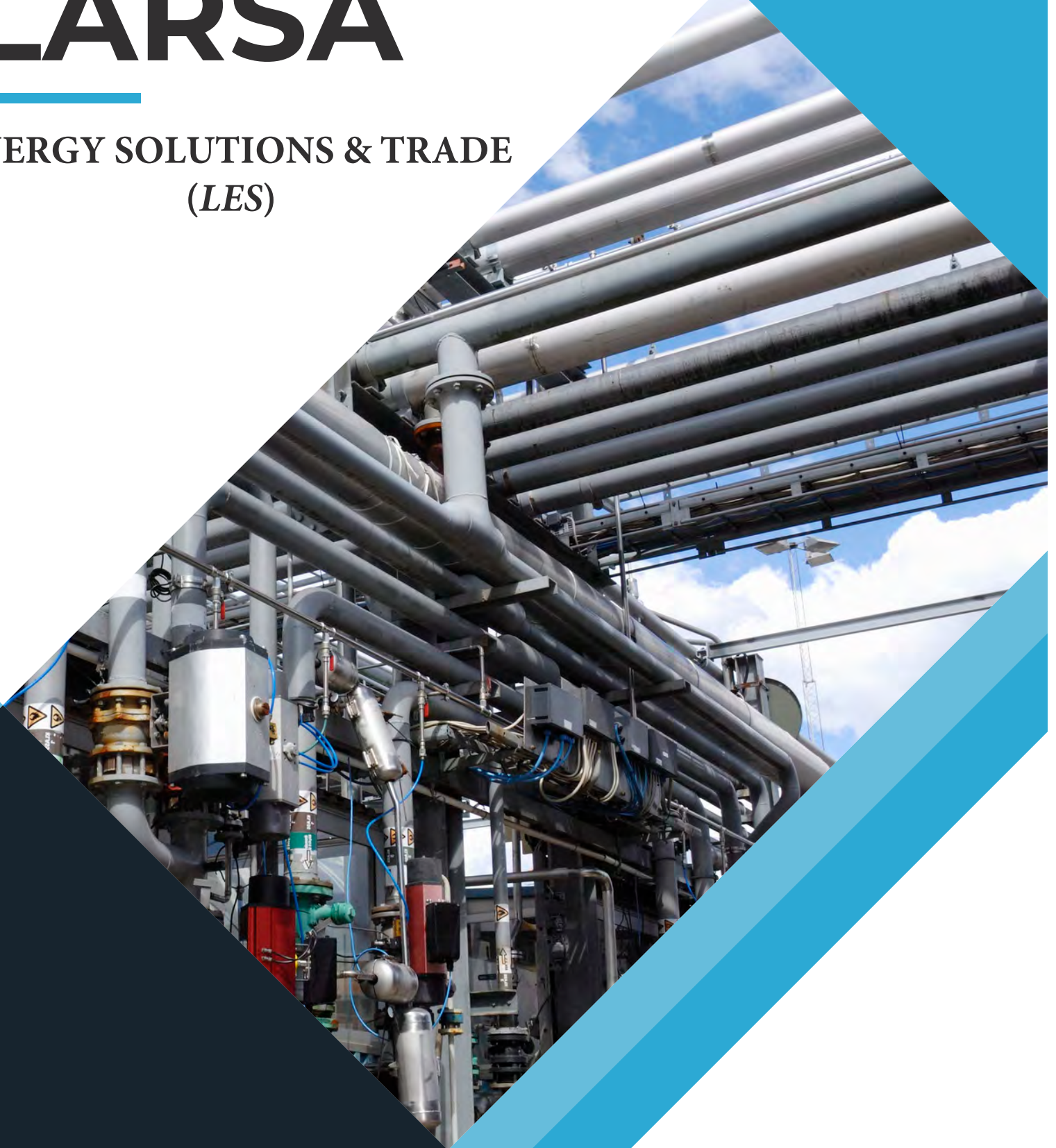


LARSA

ENERGY SOLUTIONS & TRADE
(LES)



LARSA

Oil, Gas and
Infrastructure Projects

In-country value

Wherever the LES operates, we're committed to employing local people, working with local suppliers and developing capabilities of local companies.

As well as being the right thing to do, we see this as a source of competitive advantage, helping us to keep costs down, improve the quality and availability of local service providers, and build stronger relationships with local entities.

In an effort to maximise the industry's contribution to social and economic development in the country, LES decided to form the In-Country Value (ICV) strategy marking the beginning of the journey of ICV and get the locals involved in Oil and Gas industry with qualified level to meet the requirements.



WHO WE ARE

LES (LARSA ENERGY SOLUTIONS) is a Group of Companies providing specialized technical services, integrated solutions, operational support, and equipment to the Oil and Gas industry and infrastructure of public sectors in the whole world and Middle East specifically.

Larsa was formed to operate in the oil and gas, power and infrastructure markets in the Middle East, with a primary focus on Iraq and Oman. The Larsa team, its group of companies and associations provide specialized technical services, integrated project and management solutions to its clients in the private and public sectors within these industries. These include international oil and gas operators, power suppliers, distributors and governmental entities.

Headquartered in the UK, there will be offices opening in four locations including Iraq, Oman, Libya, to service our clients across the Middle East.



IT IS OUR MISSION

- ✔ To build on our history of product excellence and technology innovation to provide the highest-quality and most reliable products and services to our world-wide customers in fields including oil, gas, energy and infrastructures.
- ✔ To build a prosperous, diversified service companies, characterized by indigenous professionalism, integrity and commitment to excellence in the development world.

OUR VISION

To be one of the most significant turn key project and management solutions companies within the energy, and infrastructure industries and use our successful approach and experience in the Middle East to grow into a strong multinational player.

"Delivering project efficiency through delivery of multi-service solutions with a single point of contact and project management."



MANAGEMENT RESPONSIBILITIES

Our company is keen to build strategic and operational management of the company's business, including responsibility for ensuring that the company meets its statutory and other legal obligations and ensure the welfare and safety of its staff, associations and its customers. It is responsible for the ultimate direction, strategic supervision and control of the management of the Company, as well as other matters .



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SERVICES AND EXPERTISE:

Larsa can offer end-to end integrated solutions to our clients with a single point of contact for all services. Our service areas include:



FEED PROCESS DESIGN

We offer full feed design and turnkey solutions for the development of greenfield and brownfield sites. From process plant modelling and simulation, equipment sizing and specification to international design standards, 3d modelling and drawings, to the upgrade of an existing plant or construction and installation of a new plant.



MECHANICAL SERVICES AND DESIGN

LARSA can carry out the complete mechanical design of complex systems. Our team of highly qualified and experienced engineers can cover all your design needs including but not limited to, piping, steel structures, static equipment and Rotating equipment. Following design standards, such as ASTM ,ASMES, API, B31.3 our engineers produce detailed drawings using 3D CAD modeling and MTO.



ELECTRICAL INSTRUMENTATION AND COMMUNICATION

Our Electrical and Instrumentation design capabilities cover control rooms ,PLC UPS ,DCS including 33KVA HV systems for transmissions systems, substations and more. From electrical and instrumentation drawings, cabling schedules, supply and installation of equipment and systems, to communications and CCTV systems, Larsa and its associations can meet your requirements.



CIVIL AND STRUCTURAL DESIGN

LARSA can carry out full Civil and Structural design of complex systems. Geotechnical review, Foundation design , Prefabricated building structures ,Civil works for large oil and gas piping systems. Through it's construction arm in Iraq it can carry civil and structural works including the supplying of certified materials.



SPECIALIST TECHNICAL MANPOWER

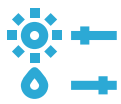
LARSA through it extensive network of contacts has access to a number of highly qualified Project managers ,planners and engineers, our supervisors and technicians various disciplines and nationality's who can be called upon to support a customers Project . Our experienced recruitment department ensure we always get the right person.

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PLANT AND EQUIPMENT OPERATION AND MAINTENANCE

One of the advantages of using Larsa and its associates for plant and equipment maintenance and operations is because of the extensive experience of its management team and associations who's track record on plant O&M is unparalleled their knowledge of maintaining rotating equipment covers the full equipment range , focusing on preventative, predictive and condition based maintenance techniques . Planning of intervention to ensure optimum production is key our emphasize is to avoid production loss through ensuring high equipment availability.



MATERIALS AND EQUIPMENT SPARE PARTS SUPPLY:

Through its supply chain management team and their network, Larsa possess extensive experience of supplying materials, equipment and spare parts to oil and gas. Along with our roster of approved suppliers and ISO quality systems we can ensure that the right parts, delivered on time and to specification.

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EXPERTISE

FEED process:

- ✓ Plant process simulation design/evaluation
- ✓ Process equipment sizing calculations and specification
- ✓ Heat and mass balancing
- ✓ Utility system design

Mech Services and design (ASTM, ASME, API)

- ✓ Static equipment sizing and specification. I.e scrubbers, tower Columns, heat exchangers
- ✓ Rotating equipment sizing and specification. I.e turbo compressors, gas turbines, pumps,
- ✓ Complex piping systems, oil and gas lines up to 40in
- ✓ Installation including all civil works – piping 3D drawings and full stress analysis B31.3



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Electrical , Instrumentation and Communication Engineering

- ✓ Instrumentation engineering and design
- ✓ Control room
- ✓ Energy systems
- ✓ HV and LV
- ✓ PLC
- ✓ UPS System design
- ✓ Fire and gas systems
- ✓ Sub stations
- ✓ MCC systems
- ✓ Electrical transmission system design, supply and erection
- ✓ Lighting systems
- ✓ Communication and CCTV systems



Civi & Structural Design and construction

- ✓ Civil and structural engineering
- ✓ Structure design of modular structures
- ✓ Foundation design
- ✓ Pipe support
- ✓ Geotechnical. Review
- ✓ Building design and construction
- ✓ Pylon design including foundations
- ✓ Civil engineering associated with Large pipelines
- ✓ Facilities construction (captive power plants, roads, hospitals, schools)





Specialist technical Manpower

- ✓ Project managers
- ✓ Mechanical discipline engineers
- ✓ Process Engineers
- ✓ Civil specialists
- ✓ Planners
- ✓ Rotating equipment engineers for installation, commissioning and troubleshooting.
- ✓ Electrical instrumentation engineers
- ✓ HV and LV specialists
- ✓ Commissioning and decommissioning specialists.
- ✓ DCS and UPS specialists
- ✓ General technical specialists.

Plant and Equipment maintenance and operations

- ✓ Overall plant maintenance, covering static and rotating equipment, electrical and instrumentation systems
- ✓ Maintenance planning
- ✓ Predictive and preventative maintenance planning
- ✓ Condition based maintenance
- ✓ Corrective maintenance
- ✓ Management of spare parts and spare parts planning
- ✓ All logistics planning
- ✓ Single equipment maintenance
- ✓ Risk based operations and maintenance

- ✓ Asset integrity reviews and reports.
- ✓ Equipment upgrades and rerates.

Materials and Equipment parts

- ✓ Sourcing and supply of rotating equipment spare parts
 - Gas turbines
- ✓ Turbo Compressors
- ✓ Pumps
- ✓ Gas and Diesel engines.
- ✓ Supply of revamped equipment
- ✓ Gas Turbines
- ✓ Generation packages, 5 megawatts to 200 megawatts



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SUBSIDIARIES AND ASSOCIATIONS

Whitecastle Engineering

Whitecastle Engineering is a specialist engineering company, focusing on the resolution of complex engineering problems mainly associated with gas compression and power generation plants. It has a proven track record of coming up with the right solutions for its clients.

Matrix Engineering

Matrix is an ISO 9001:2008 Certified Professionally managed Engineering Consultancy Company having Expertise in System Engineering to Detailed Engineering from conceptualization to successful commissioning. Based out of Chicago, with offices in Bangalore and representation in Dubai, Beirut, and Abuja, Matrix supports its clients in all areas of power generation, distribution, and transmission, refining and petrochemical and civil projects.

Kilmurn PPS

Kilmurn is a specialist project management company within the some 20 years of field construction and engineering, specializing in renewable energy (Solar, Wind and Biomass). Kilmurn has vast experience of both installation and maintenance of both single and combined gas power plant equipment including gas turbine overhauls their control systems and commissioning. Kilmurn have undertaken projects in Ireland, UK, Denmark, Holland, Finland, and is also used to operating in difficult environments, having successfully worked in Nigeria, Ghana, Tanzania, Liberia and Mauritania.

Shadin (Subsidiary)

Shadin is an ISO certified Infrastructure construction company based in Iraq, specialising in electrical and instrumentation supply and design, power generation and distribution systems, control SCADA & PLC systems, OHTL and underground networks and more. With offices in northern, central and southern Iraq, and a fully certified team of staff, it possess a wealth of experience working successfully with international companies and local governments on small and large projects and in high risk areas.

S.A.L.P

S.A.L.P was established in 2014 in Erbil as a subsidiary of SALP S.p.A., an Italian contractor founded in 1959 and one of Europe's major contractors in natural gas networks. In the Kurdistan Region of Iraq,

SALP Middle East has drawn on the extensive experience of SALP S.p.A. in the Oil & Gas pipeline construction, oxygen pipelines and aqueducts as well as sewer systems, roads, riverbank protection, soil stabilization and hydraulic protection thanks to a broad technical and professional know-how, a wealth of equipment and technicians.

SALP executed many projects in the Oil & Gas Sector both upstream and downstream including pipelines, flowlines, pump stations, loading and unloading stations; thus acquiring a diversified local market experience and developing a proactive and effective approach to quality, health and safety over the years

BECOMING AN ASSOCIATE

There are many opportunities in the Middle East. If you are interested in entering this market and looking for representation or associateship then please get in touch.

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OUR RESPONSIBILITIES

Health and safety

The health and safety of the staff of Larsa and its associations and our customers is our foremost priority. We are committed to ensuring the environment for everyone involved with the operation of our company and its associations and associations is a safe one. We are also committed to contributing to the protection and sustainability of the environment in which we operate. Our core business involves managing the risks that may arise in the day to day of our operations and projects, and therefore our foremost mission in this area is to safeguard the people that work with and for us.

OUR COMMITMENTS

- ✓ The care of our people
- ✓ Identify, manage hazards to mitigate risks
- ✓ Prevent injuries, ill health, pollution and financial loss from our activities
- ✓ Be responsible in our approach to the protection of the environment and minimising the impacts of our operation.
- ✓ Strive for continual improvement in health and safety and environmental responsibilities.

OUR QUALITY STATEMENTS

Our primary objective is to provide our customers with the highest quality of services in accordance with ISO 9001:2008/2015 and other statutory requirements. We are committed to satisfy our customers through the values of:

- ✓ **Care:** Working safely with integrity, respect and consideration for each party's commitments.
- ✓ **Commitment:** Consistently delivering to all our stakeholders
- ✓ **Courage:** Pushing the boundaries to create smarter, more sustainable solutions

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FEED Process Design

We offer full feed design and turnkey solutions for the development of greenfield and brownfield sites



Mechanical Services & Design

LES can carry out the complete mechanical design of complex systems



Electric & Instrumentation

LES have a professional experience in all levels of power generation, power distribution, power plants, control systems...



Civil & Structural Services

LES can carry out full Civil and Structural integrated services of complex systems.



Maintenance & Operations

Overall plant maintenance, covering static and rotating equipment, electrical and instrumentation systems



Material & Equipments Supply

LES possess extensive experience of supplying materials, equipment and spare parts to oil and gas.



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Whether you are interested in becoming a association,
for representation or if you are interested in our service
offering, please visit www.larsaenergysolutions.com

Or scan this QR code and fill in your contact details.

