



SHORT HISTORY OF THE COMPANY

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.

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.

In the Kurdistan Region of Iraq, 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.



COMPANY MISSION

SALP is one of the main pipeline contractors in the oil & gas industry in the Kurdistan Region of Iraq specializing in the construction of oil & gas stations and pipelines of up to 42 inches.

Our mission is to achieve customer satisfaction in the energy industry. We tackle each challenge with safe, reliable and innovative solutions.



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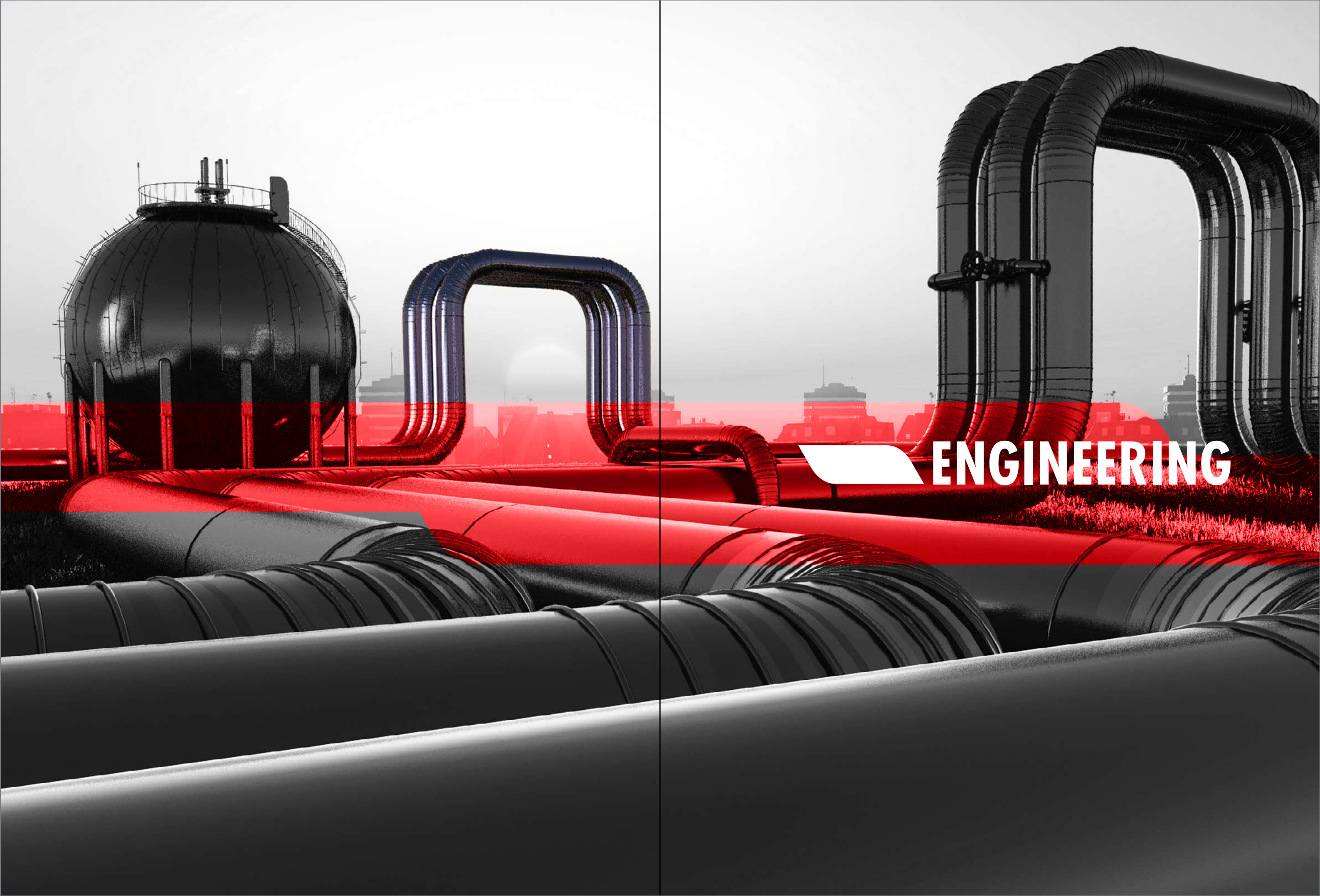
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 **ENGINEERING**

With its top engineering subcontractor and rich construction experience,

SALP offers to client a quality & hands on engineering product, in the field of hydrocarbon fluid handling in single and multiphase flows.

Thanks to the know-how obtained through oil, gas and water projects as well as relevant compression pumping and metering stations, storage facilities and treatment plants SALP is able to offer expertise and engineering skills.

ACTIVITIES



for natural gas and hydrocarbons

SALP provides basic and detailed engineering for onshore pipelines, above ground facilities, re-injection and gathering systems as well as municipal distribution networks.



for water

SALP provides basic and detailed engineering for water transport pipelines, drinkable water treatment systems including pumping stations, water injection and municipal distribution networks.



PROCUREMENT



According to SALP's Quality Management System all potential vendors need to qualify in order to become a SALP approved vendor.

All our enquiries to the appropriate vendors are backed up by complete technical specifications previously approved by our Technical Dpt. Expediting activities are carried out during the construction of the goods and equipment purchased in order to guarantee quality and Customers satisfaction.

Equipped warehouses set up in each yard preserve safely any kind of goods delivered; a restricted area receives the materials not in compliance in order to avoid their imprudent use.

Since 2014, SALP has supplied for the Oil & Gas market in the KRI more than 50 km of carbon steel pipes, pipe fittings, valves, export pumps, metering skids, field instruments & fire and gas instruments...

The Quality Control Manager regularly audits the users relevant to the purchased goods and materials by:

- Quality Control Plans
- Inspection Testing Plans
- Fabrication Procedures



CONSTRUCTION

MECHANICAL CONSTRUCTION

SALP can legitimately be considered among the largest pipeline construction companies in the region for pipelines up to 42 inches.

The know-how and capability together with the large quantity of technologically up to date equipment enables us to execute projects of high complexity requiring a timely delivery and the best quality.

SALP can safely and efficiently perform in any kind of soil conditions, high water table, mountain and densely populated areas ensuring competitiveness and competence without neglecting the protection and the safety of workers, the public and the environment.

PIPELINES & FLOWLINES

SALP provides a comprehensive onshore pipeline construction service, backed by a professional, highly motivated and well-trained multi-skilled workforce. The company is capable of satisfying all needs related to onshore construction projects providing excellent results.

SALP is committed to providing complete solutions of the best value, recognizing the need to work closely with Customers and other Stakeholders in order to share knowledge and experience.



QAIWAN PIPELINE PROJECT

In 2018, SALP built a Key 20" Gas pipeline connecting from Dana Gas Khor Mor station to Qaiwan Power Plant in Bazian.

SALP performed land negotiation and clearances in the Chemchemical, Tekyia and Bazian area. The 16km pipeline along with the tie-in and receiving stations was completed in November 2018. The pipeline travelled in challenging towns and villages as well as various major roads, rivers, mountains and old artifacts crossings.



SALP executed the Civil, Mechanical and Electrical/Instrumentation works in the Gas receiving station connecting to GPRS.



On the tie-in point, SALP built the Gas Metering and Pig Launching station in Chemchemical at Dana Gas tie-in station.



SALP is able to handle the construction of multiple pipelines and gathering lines simultaneously as demonstrated in the ORYX Petroleum's Demir Daggh gathering and export system with 2 pipelines (12" and 16") and 12 flowlines (6" and 8") being constructed in parallel over a period of 9 months.



SALP provides the installation of on plot and off plot piping such as Flowlines, Piperacks, Pipeways and Connections both for buried and aboveground systems. Other construction services provided include the construction and installation of structural steel including skids, supports, stairs, walkways...



SALP owns a pipeline equipment fleet that is able to cater for multiple pipeline projects simultaneously.



16" Export Pipeline near Erbil connecting to the strategic export pipeline KEP.

STATIONS & SURFACE FACILITIES

Upstream and Downstream

From well head hook-ups and CPF to refineries and power plants, SALP has the experience and ability to execute a wide variety of above ground stations and facilities on EPC basis.



Installation of fuel oil, gas, lube oil and cooling systems in Khormala Power Plant

► DOWNSTREAM

In the past few years, SALP worked in different types of projects in the KRI ranging from refineries to power plants. In 2016, mechanical construction works of a 39 gantries loading and unloading station was completed in Kalak Refinery. SALP is able to operate in grass-root as well as live operational projects. SALP piping division covers the construction of all types of steel alloy systems including carbon steel and stainless steel.



Fuel Oil System – Kalak Refinery



Filtering System – Kalak Refinery

SALP developed a wide know-how in the field of plant erection including compression, metering, pump, loading and unloading stations. The availability of high-tech resources, appropriate equipment and high-qualified staff ensure high standards, timely delivered services for complete customer satisfaction.

► UPSTREAM



Piping installation in GPNME CPF brown field project.

Piping system was upgraded to accommodate the increase in oil production



HP flare installation in GPNME CPF brown field project.

Flaring system was upgraded and SALP installed the new flares along with their piping system.

GAZPROM PROJECT

In 2018, SALP expanded 2 Central Production Facilities in Suleimania & Dohuk province for Gazprom and Hunt Oil respectively. Works included mechanical equipment and machinery erection such as flares, water strippers, separators, gas boots, pumps, KO drums and many other vessels. Interconnecting piping systems were also installed and tested.



► UPSTREAM

During the past few years in the KRI, the Company has built pigging, pressure reduction, and pump stations. SALP has also completed multiple wellhead hook-ups, manifolds and valve stations.



Intermediate Pigging and Pressure Station – Atrush



Pump Station – Atrush



Summary of Works - Kurdistan Region of Iraq

TYPE	QUANTITY
Pipelines & Flowlines	95Km
Valve & Scraper Station	7
Pump Station	2
Pressure Reduction Station	1
Loading Station	3
Tank Farm Piping	3
Manifolds	12
Wellhead Hook-ups	7
Central Production Facilities	2

A construction worker wearing a blue hard hat and a plaid shirt is looking down at a tablet computer. He is standing on a construction site with large metal structures in the background. A red banner with white text is overlaid on the right side of the image.

TESTING & PRE-COMMISSIONING

TESTING & PRE-COMMISSIONING

SALP provides None Destructive Testing through its highly qualified NDT subcontractors.

SALP, under its Quality Management Department, manages and supervises the daily activities of its NDT crews assuring all records and reports are properly analyzed and maintained for final documentation and handover packages.

Hydrostatic testing is the final step of the mechanical assembly and its purpose is to verify the mechanical integrity of the system. SALP performs hydrostatic testing including gauging, pigging, pressure testing, drying and purging. Our testing is performed using highly skilled personnel equipped with precision instruments.

With our extensive experience in pre-commissioning and experienced pre-commissioning engineers, we perform E-Caliper pigging and inline inspection and detect geometric/corrosion/coating anomalies.

SALP respects and protects the environment avoiding the use of any chemical additives and complying with the legislation of the country in which it is operating.





**QUALITY, TRAINING
& ENVIRONMENT**

OTHER SERVICES

In its various projects and with its experienced versatile staff, SALP has an extensive experience in providing more than just EPC solutions.

Maintenance works such as:

- Cold Cutting
- Welding on Live Lines
- Piping/Pipeline Maintenance
- Split Tees and Hot Tapping
- Inerting with Nitrogen
- Valves Maintenance
- Non Destructive Testing
- Cathodic Protection
- Pipeline Geometric Survey
- In-Line Inspection (ILI)

SALP plans a series of inspection, service and maintenance after operation or correctives action can be undertaken thru application and using of Technical and Engineering Maintenance Manual related to subject facility.

SALP provide a 24 –Hours On-Call Customer Service for:

- Emergency Situation
- Preventive Service Maintenance
- Reactive Service Maintenance
- Consultation and Inquiries

In addition to hot tapping and welding on live lines, SALP has also the ability to repair pipelines with the need to perform any welding. This is performed through surveying the problem then engineering, procuring and install composite repair sleeves that can fix category 1 defects on pipeline operating with temperatures up to 200 C and 70 bar.



QUALITY MANAGEMENT SYSTEMS

SALP's Quality Management Systems ensures that the consistency of quality level is maintained throughout over-all operational management, construction, engineering, logistics, execution activities, assuring the integrity of the systems, meeting local and international industry standards and deliver a high quality asset and productivity to the client as main objective and targets to provide a customer service satisfaction guaranteed.

SALP is consistently seeking continual improvement of existing Integrated Quality Management Systems by acquiring more accreditation and adding to current standards and accreditation (ISO 9001:2015 QMS, ISO 14001:2015 EMS & ISO 45001:2015 OHSMS and ISO 3834: 2015).



HEALTH, SAFETY & ENVIRONMENT

In recent years, SALP's mission bringing up to the impressive high-level of safe system of work and development compliance to company policy, local and international standards in terms of Health Safety & Environment Aspect. The Impact of implementation to local and expat workforce gives a qualitative output.

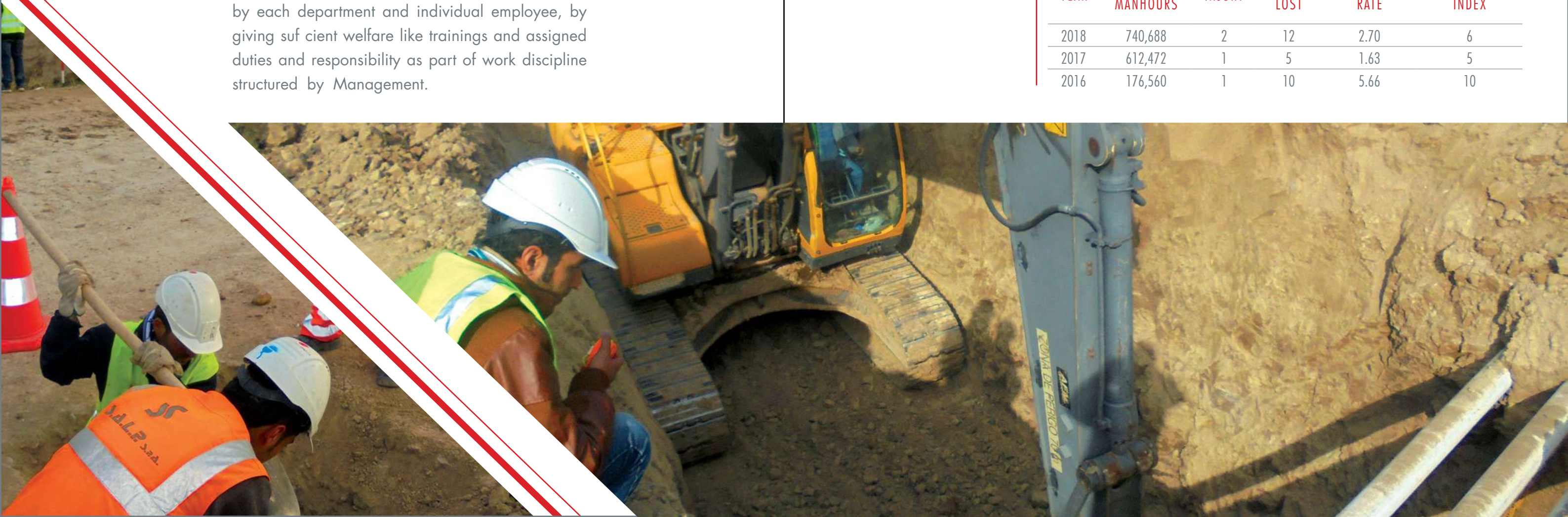
Today SALP's Health Safety & Environment core values become deep and sealed with commitment by each department and individual employee, by giving suf cient welfare like trainings and assigned duties and responsibility as part of work discipline structured by Management.

► SITE DRILLS

Environmental awareness is a key component of SALP's HSE policy. The Company has carried out several programs and initiatives to develop environmental friendly solutions, focusing on waste management and minimizing unwanted emissions. This culture is not only promoted through awareness campaigns, it is also reflected by everyday choices made by SALP's management and personnel.

HSE Statistics Last 3 Years

YEAR	TOTAL MANHOURS	INJURY	DAYS LOST	FREQUENCY RATE	SEVERITY INDEX
2018	740,688	2	12	2.70	6
2017	612,472	1	5	1.63	5
2016	176,560	1	10	5.66	10



RESPECT OF THE ENVIRONMENT

Environmental awareness is a key component of SALP's Health Safety & Environment Policy. The Company has carried out several programs and initiatives to develop environmental friendly solution, focusing on waste management and minimizing unwanted emissions.

This culture is not promoted through awareness campaigns, it is also reflected by the everyday choices made by SALP's Management and Personnel by giving sufficient trainings related to Environmental Aspect.



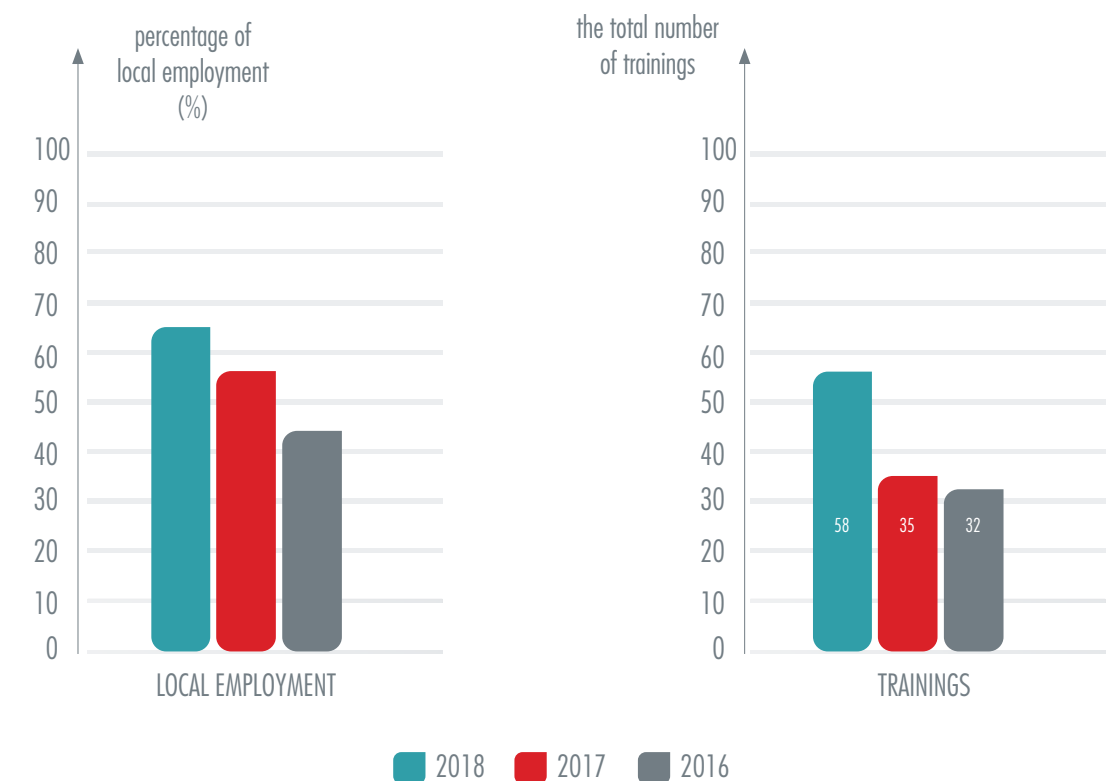
TRAINING & LOCAL COMMUNITY DEVELOPMENT

The maximization and integration of locally employed staff is one of the Company's main business strategies.

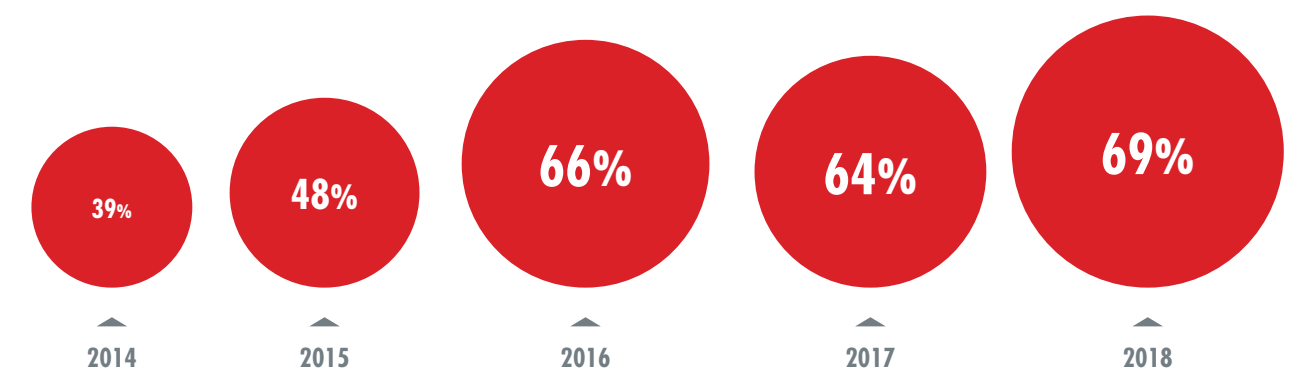
SALP believes that our Local Content Policy

- Bolster the relationship with local customers, suppliers and host countries.
- Provides considerable social benefits to the host country in terms of investments, employment and development.
- Provides young talents with an opportunity to get local and international exposure with SALP at home and overseas.
- Decreases the over-all risk profile of the project in question.

DEVELOPMENT



LOCAL CONTENT





► TRAINING & DEVELOPMENT

SALP committed to sharing its know-how locally by following specific guidelines.

SALP will promote the development of local suppliers through initiatives such as the professional growth of managers with international qualifications in area such as environment, quality, health and safety, finance, project management and construction.

SALP's provide designated financial funds and

training program to all department as per professional discipline and assigned field to be more competitive and productive and mingle with multi-department skills by sharing their thoughts and knowledge.

