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INTRODUCTION 1.1 K. LUND OFFSHORE PROFILE



A Legacy of Excellence Since 1898

K. LUND Offshore builds on over a century of engineering heritage, tracing back to Maskin K. LUND's founding in 1898. As Ingersoll Rand's oldest distributor since 1902, we've maintained a strong tradition of quality and innovation. Established in 2000, our Stavanger branch evolved into today's K. LUND Offshore AS.

Global Reach, North Sea Expertise

We support nearly 50 offshore platforms with over 200 CENTAC compressors operating in the North Sea. Our custom-built compressor packages and proprietary air dryers are engineered specifically for the oil and gas sector—designed, assembled, and tested at our advanced facility in Sola, Norway.

End-to-End Engineering

From instrumentation and control systems to mechanical and electrical design, our in-house team manages every stage of production with precision and expertise.







K. LUND Offshore has refined our expertise and expanded our capability to support clients worldwide. We are dedicated to continuing our tradition of delivering comprehensive air and gas solutions, covering a variety of custom services and products:



AIR COMPRESSORS

- Screw Compressors
- Centrifugal Compressors
- Reciprocating Compressors (including High-Pressure options)
- Rotary Vane Compressors
- Liquid Ring Compressors



GAS COMPRESSORS

- Volatile Organic Compounds (VOCs)
- Flare Gas
- Reciprocating Compressors



AIR TREATMENT

- Desiccant Air Dryers, with options such as Heatless, External Heater, Heater Blower, and Non-purge models
- Refrigerant Dryers
- Custom Hybrid Packages



NITROGEN GENERATION

- Pressure Swing Adsorption
 (PSA) Systems
- Membrane Nitrogen Systems



OXYGEN GENERATION

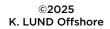
 Pressure Swing Adsorption (PSA) Technology for Oxygen Production



BLOWERS

- Multi-stage Centrifugal Blowers
- Integral Geared Single Stage
 Blowers







INTRODUCTION 1.3 INDUSTRIES



With a heritage rich in experience and a comprehensive portfolio spanning all key technologies, K. LUND Offshore is well-equipped to provide guidance, design services, and supply the perfect equipment for various sectors:

POWER GENERATION:

Including hydroelectric, nuclear, coal, combined heat and power, natural gas, renewable sources, waste-to-energy facilities, and more.

OIL & GAS:

Covering onshore and offshore exploration and production, as well as pipeline operations...

CHEMICAL & PETROCHEMICAL:

Serving the production of ammonia, ethanol, sulfuric acid, propane, carbon capture processes, propylene, and other chemicals.

WATER SECTOR:

Focusing on desalination, water treatment, and related processes...

MINING:

Supporting the extraction of coal, gold, silver, copper, and other valuable minerals.

HEAVY INDUSTRY:

Aiding shipbuilding, steel manufacturing, and other large-scale operations.

BATTERY FACTORIES:

Assisting in the complex manufacturing processes for batteries, our equipment supports the production of high-capacity and efficient energy storage solutions.

DIVERSE OTHER INDUSTRIES REQUIRING SPECIALIZED **EQUIPMENT AND SERVICES.**

K. LUND Offshore is committed to delivering the right solution for every industrial application, backed by our deep understanding and history of innovation.

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K. LUND Offshore

ADDED VALUES 2.1 OUR ADDED VALUES AT A GLANCE

WORLDWIDE REACH:

K. LUND Offshore's services and products are accessible across the globe.

QUALITY ASSURANCE:

We adhere to the strictest quality standards, ensuring our compliance with API, ISO, and other crucial industry regulations.

BROAD TECHNOLOGY SPECTRUM:

We provide a vast array of technological solutions to meet diverse needs.

EPC CONTRACTOR EXPERTISE:

We have a strong track record working with top-tier global EPC contractors.

CUSTOMIZED TURN-KEY SOLUTIONS:

We tailor comprehensive solutions based on the specific technical requirements of our customers.

COMPLETE PROJECT MANAGEMENT:

We offer full project management support, including thorough documentation.

RICH PROJECT PORTFOLIO:

We successfully served nearly 50 platforms worldwide with over 100 CENTAC compressors active in the North Sea.

DECADES OF KNOW-HOW:

Our expertise is built on more than 100 years of industry experience.









K. LUND Offshore has been at the forefront of delivering bespoke compressed air, compressed gas, and nitrogen generation packages to international EPC contractors and engineering firms across various sectors.

Our in-depth experience with EPC firms has enabled K. LUND Offshore to advance our capacity to manage and execute complex projects customized to our clients' precise needs. Our equipment is designed for peak performance, ensuring optimal efficiency, dependability, and operational availability.

As a premier global service provider, K. LUND Offshore crafts custom solutions to fulfill diverse customer requirements, leveraging Market to Order (MTO), Engineering to Order (ETO), specialized configurations, and Project Lifecycle Support (PLS) for intricate ventures and EPC contractors.





K. LUND Offshore delivers comprehensive project management services, encompassing the installation and integration of equipment.

Our team of highly skilled engineers oversees the entire process, from conceptual design to assembly, and from commissioning to the initial operation, while managing technical and quality aspects.

K. LUND Offshore is dedicated to supporting our clients through every phase of the project lifecycle, ensuring success from start to finish.







Provided Services by Project Phase



DESIGN

- · Basic and detailed design engineering
- Equipment modification to customer requirement
- Project integration
- Quality, environmental and safety management



PROJECT MANAGEMENT

- Documentation to customer requirements (mechanical, electrical, I&C, quality, logistics, etc.)
- Preparation of as built drawings: P&ID, general arrangement, sectional drawings and 3D modelling
- Complete assembly of the package, including piping and control of the installation (PLC)
- Preparation of installation, operation and maintenance manuals
- Protection against severe ambient conditions
- Purchasing, inspection, expedition, and logistics management
- Testing



COMMISSIONING AND START-UP

- Pre-commissioning, commissioning, and start-up assistance
- Marking and packaging of the whole supply
- Shipping

REQUEST A QUOTE

Customer trainingmanagement



AFTERMARKET

- Local Support
- Genuine Parts and Lubricants
- Multi-brand Solutions
- Extended Warranties
- Remote Monitoring and Preventive Maintenance
- Training & Seminars



ADDED VALUES 2.5 INSTALLATION SOLUTIONS

K. LUND Offshore can craft and fabricate tailored equipment packages that may include a variety of components: from structural base frames and machinery mounting pads to intricate piping, tubing, electrical systems, instrumentation, and control units. Our installation solutions are meticulously designed to align with client specifications as well as relevant ISO/API standards, adhering to major international codes and specific country regulations such as NORSOK.



CONTAINER:

- Ambient conditions inside the shelter controlled
- Compact design



SKID:

- Easy transportation
- Connection points with customer at skid edge: inlet/outlet, makeup water drains and electrical supply



SUPPLY OF SYSTEM COMPONENTS:

- Whole installation mounted in our facilities. We have the capability to run the package fully assembled
- Before transportation, all interconnecting piping and wiring is disassembled





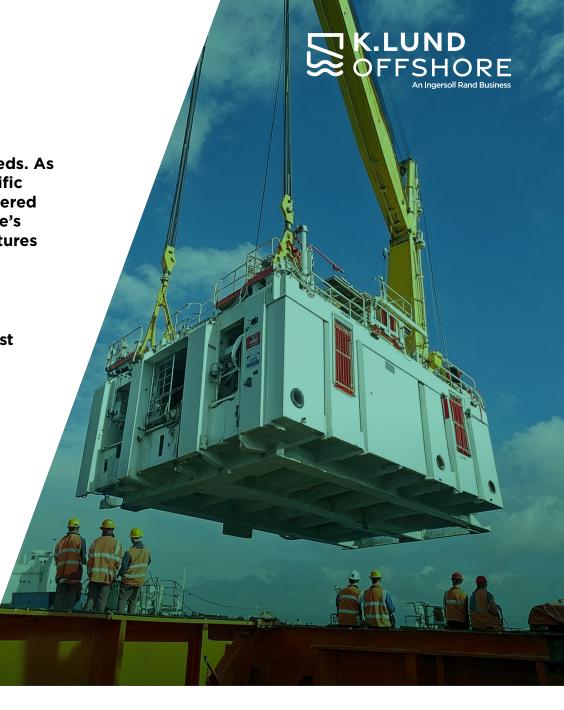
ADDED VALUES 2.6 TURNKEY INSTALLATIONS

K. LUND Offshore understands that each client has distinct needs. As such, every piece of machinery is configured to meet the specific demands of each customer. Our packages are specially engineered to perform reliably in challenging conditions. K. LUND Offshore's equipment is built to withstand the harshest ambient temperatures and the most severe environmental situations.

MODIFICATIONS

A wide variety of options can be customized to meet even the most demanding customer requirements, including NORSOK:

- Outdoor Installation
- HAT (55°C ambient temperature)
- MV Motors
- ATEX Certified Motors
- PLC Control Panels
- Special Instrumentation
- ATEX Certification (Zone 2)
- Coolers Design and Materials (Sea Water Cooling)
- Inlet Filters for Ambient Desert Conditions
- Air Ducts & Heaters for Low Ambient Temperatures
- Stainless Steel Canopies
- API 618, API 619 And API 672 Compliant Equipment









K. LUND Offshore is proud to hold several quality certifications, granted by esteemed institutions around the world, including 9001, 14001, 45001, NORSOK, and NR. We are dedicated to continuously refining our management systems to provide our customers with products, services, and solutions of the highest quality, customized to their specific requirements.

API 618

Our reciprocating compressors are designed to fulfill the standards set by API 618. We custom-engineer each unit, carefully designing cylinders, valves, and selecting components to meet the exacting specifications of API 618.

API 619

Our compressor technology conforms to the specifications of API 619. These compressors feature a horizontal balanced design, moderate to low operating speeds, and maintain low temperatures for dependable performance over the long term.

API 672

Our Integrally Geared Centrifugal Compressors (IGC) are recognized for their suitability in critical process gas services, aligning with the dedicated API 672 - 4th edition, which addresses the application of instrument and utility air compressors.

Specializing in hazardous environments, K. LUND Offshore is adept in compressor and blower technologies designed for various ATEX and IECEx zones. Our extensive experience includes the provision of IECEx certified, air-cooled, oil-free screw compressors and ATEX certified air-cooled, oil injection screw compressors. Furthermore, we supply certified instrumentation, ATEX certified PLC control panels, pneumatic operated LCP for air dryers, explosion-proof certified junction boxes, cable glands, and IS barriers, adhering to the necessary safety standards for explosive atmospheres.





K. LUND Offshore is devoted to delivering continuous care and support to our international clientele.

With our cutting-edge products and services, K. LUND Offshore's Engineering Project Solutions team collaborates closely with customers to address the most challenging technical issues. Through our extensive global network, we ensure that the wealth of knowledge and expertise we've accumulated from complex EPC projects is accessible to every EPC contractor and end-user involved in your project.

As a specialized provider of engineered air compressors, air treatment, and nitrogen packages, K. LUND Offshore maintains a robust network of branches and authorized partners across more than 50 countries, ensuring local expertise and global reach.



REQUEST A QUOTE





K. LUND Offshore has delivered its bespoke nitrogen and instrument air packages to numerous prestigious EPC contractors and engineering firms worldwide, catering not only to power generation, flare gas and gas lift compressors, but also to sectors including oil & gas, chemical, water treatment, and mining.

Over the past decade, we've successfully delivered over 200 projects across a wide range of compressor technologies, demonstrating our deep expertise and adaptability. From air and gas systems to advanced treatment solutions, our work continues to support platforms worldwide with precision, reliability, and a commitment to tailored client needs.

PRODUCTS 3.1 AIR COMPRESSOR PACKAGES

K.LUND Offshore specializes in creating custom-built screw compressor packages that are fully equipped with all necessary components for immediate operation. Our bespoke screw compressors are designed for seamless integration, operational flexibility, and to minimize running costs, all while adhering to the most rigorous quality standards.

K. LUND Offshore is your comprehensive provider for engineered compression systems suited for air and gas applications, including:

- **Instrument Air:** Reliable and high-quality compressed air for precise instrumentation.
- Plant Air: Robust solutions for general plant operations.
- **Bulk Air:** Efficient and large-scale air compression for industrial use.
- **Gas Compression:** Safe and efficient compression for various gases, including natural gas and hydrogen.

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Leading the Way in Compression Technology. Our range of screw compressors, including both air and gas models, are at the forefront of technological innovation, ensuring a consistent output of high-quality compressed air and gas.

INDUSTRY APPLICATIONS

Screw compressors from K. LUND Offshore are essential for delivering substantial volumes of compressed air and gas for large-scale industrial operations. The advanced design allows for continuous operation, producing a significant volume of high-quality airflow and gas flow, which is ideal for demanding environments across various industries, such as:











Why Choose K. LUND Offshore Screw Compressors?











	TECHNICAL DATA		
	FLOW RATE OPERATING PRESSURE		POWER
OIL-FREE up to 4,884 m³/nr (air-cooled an		up to 10.5 barg (air-cooled and water- cooled)	up to 589 kW
OIL INJECTED up to 4,260 m³/hr (FAD)		up to 14 barg	up to 589 kW









Our reciprocating compressor systems are recognized for their outstanding energy efficiency. At K. LUND Offshore, we have not only preserved but also continuously advanced this reliable technology, ensuring it remains at the forefront in terms of quality, durability, and efficiency. The outcome is an enhanced Return On Investment (ROI) and a reduced payback period for our clients.

INDUSTRY APPLICATIONS

K. LUND Offshore's reciprocating air compressors are versatile, catering to a broad spectrum of applications. They are commonly utilized in industries such as:

Air Compressors

Gas Compressors

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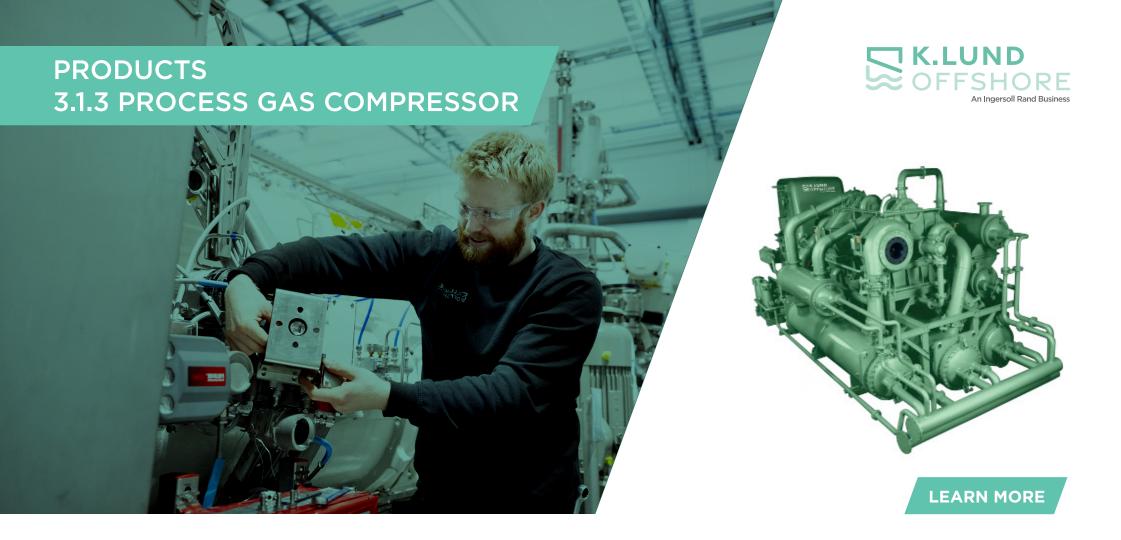




Each system is engineered to meet the specific demands of these diverse sectors, providing dependable and efficient performance across the board.

	TECHNICAL DATA		
	FLOW RATE	OPERATING PRESSURE	POWER
AIR 112 m³/hr Up to 40		Up to 400 barg	Up to 1864 kW
GAS 170 m ³ /hr COMPRESSORS - 2600 m ³ /hr		2 - 414 barg	Up to 1864 kW





Process Gas Compressors offer proven technology and exceptional performance for your critical gas compression needs. Experience high reliability, minimal maintenance, and a low total cost of ownership, ensuring your operations run smoothly and efficiently.

TECHNICAL DATA			
FLOW RATE	OPERATING PRESSURE	POWER	
3,400 to 170,000 m³/h	Up to 82 bar	Up to 16,400 kW (22,000 hp)	



PRODUCTS 3.2 AIR DRYER PACKAGES

K. LUND Offshore can equip all units to be fully packaged, including a PLC-based controller, tailored to meet customer needs. We offer standard designs as well as fully engineered systems for heavy-duty operations, severe ambient conditions, extreme temperatures, or explosive environments.

K. LUND Offshore crafts a comprehensive range of adsorption and refrigerant, each one suitable for specific applications and individual requirements. Our compressed air systems incorporate cutting-edge technology to enhance energy efficiency and minimize life cycle costs. Achieving air purity that meets international standards is possible only with the right combination of filtration, water separation, and drying. Utilizing clean, dry compressed air is crucial for reliability, maintaining quality standards, and reducing production costs.











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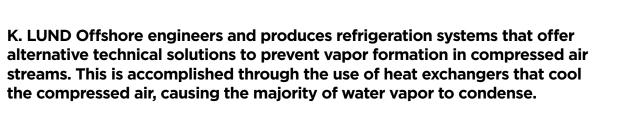
Our adsorption air dryers are engineered to effectively remove moisture by funneling air over regenerative desiccant materials, which capture and hold water vapor. Our adsorption dryers typically achieve a pressure dew point of -40°C (heatless) and -70°C (heater), which is essential for preventing corrosion and suppressing the growth of microorganisms in various industrial applications.

TECHNICAL DATA			
FLOW RATE	OPERATING TEMP./PRESSURE	DEW POINT (PDP)	
As per requirement	Up to 60°C / 13 barg	-40°C (heatless) / -70°C (heater)	









Our pressure vessels are designed and can be manufactured to meet and be certified according to ASME/PED or other international standards, ensuring compliance and safety across all applications.

INDUSTRY APPLICATIONS

K. LUND Offshore's refrigerant dryers provide a reliable and cost-effective moisture control solution for a variety of applications across numerous industries, such as:















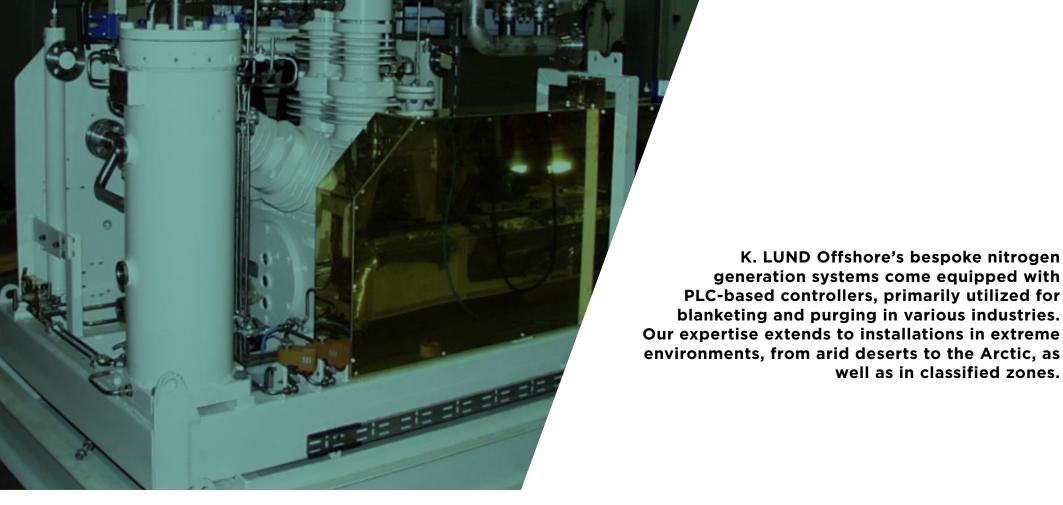


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And other sectors requiring dry compressed air for optimal operation

PRODUCTS 3.3.1 NITROGEN BOOSTER PACKAGES







PRODUCTS 3.3.1 PSA SYSTEMS



PSA (Pressure Swing Adsorption) systems harness advanced adsorption technology to deliver nitrogen of exceptional purity. These systems function by cycling pressurized air through a vessel containing an adsorbent material that selectively binds oxygen and other gases, allowing nitrogen to pass through. The result is high-purity nitrogen, essential for applications requiring stringent control over gas composition.

INDUSTRY APPLICATIONS

We offer an array of dependable centrifugal products, tailored to suit specific applications across industries such as:







Each system is engineered to meet the specific demands of these diverse sectors, providing dependable and efficient performance across the board.



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TECHNICAL DATA				
NITROGEN PURITY	FLOW RATE	PRESSURE RANGE	ENERGY EFFICIENCY	
up to 99.9995%, suitable for sensitive applications	Customizable to client needs, ensuring a consistent supply of nitrogen	Designed to operate at various pressures to match specific industry requirements	Engineered for lower energy consumption compared to traditional methods	



PRODUCTS 3.3.2 MEMBRANE SYSTEMS



K. LUND Offshore specializes in membrane nitrogen generation systems that are tailored to meet the exact requirements of our clients. These systems feature a fibrous membrane module configuration, which is paired with a sophisticated control system and necessary filtration components. The pressurized air is channeled through these membranes, effectively segregating water vapor, CO2, and oxygen, thereby producing nitrogen gas.

Our team is skilled in assessing and implementing the most fitting membrane technology for each unique project, ensuring that the nitrogen generation system aligns perfectly with the clients' operational demands.

INDUSTRY APPLICATIONS

Our membrane nitrogen generation systems are versatile and can be deployed across a broad spectrum of industries, including:



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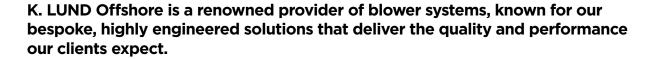


Each solution is designed to deliver performance and reliability, tailored to the unique demands of these diverse applications.

TECHNICAL DATA				
FLOW RATE	N ₂ PURITY	SYSTEM DESIGN	FILTRATION	CONTROL SYSTEM
Customizable to client needs, ensuring a consistent supply of nitrogen	Typically up to 99.95%, ideal for a range of industrial uses	Compact and modular, allowing for easy integration and scalability	Advanced filtration ensures removal of impurities prior to the membrane process	Integrated controls for efficient operation and monitoring







Our blower packages are tailored and equipped with various features and accessories to cater to your specific requirements. These systems are designed for easy maintenance to reduce operational costs and offer numerous options to enhance efficiency.

INDUSTRY APPLICATIONS

K. LUND Offshore's blower systems can be implemented for a variety of applications such as ash handling, oxidation, agitation, as well as processing and conveying tasks prevalent in industries including:









Our aim is to provide blower solutions that meet the unique challenges of these sectors, ensuring optimal functionality and efficiency.



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TECHNICAL DATA			
FLOW RATE	OPERATING TEMP./PRESSURE	DEW POINT (PDP)	
Up to 15,000 m³/hr	Up to 2.5 barg	Up to 1,000 kW	



PRODUCTS 3.4 FLARE GAS RECOVERY SYSTEMS



Flare Gas Recovery Systems (FGRS) are specialized compression packages, which aim to recover and repurpose gasses and emissions, that would normally be burned during the flaring process.

The process involves capturing the gas from the flare knockout vessel and compressing it using liquid ring compressors. The so-recovered gases can be reused within the facility's fuel gas Systems, as refinery feedstock or for re-injection.















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OPERATIONAL RELIABILITY:

Engineered for low-speed operation, these compressors offer reliability with reduced noise and vibration, leading to lower maintenance requirements over time.



MATERIAL VERSATILITY:

We construct our compressors from a variety of materials, allowing us to meet diverse and specific operational requirements.

TECHNICAL DATA*		
Flow Rate (m³/h) 50 - 39000		
Operation Pressure (barg) up to 14		
Power (kW)	up to 1000	

^{*} This data can be modified based on customer needs







K. LUND Offshore's Service Engineers perform setup, testing and commissioning in addition to service, maintenance and overhauls. Either according to fixed contracts or on demand.

The majority of our service-assignments are conducted on equipment that is designed, built and installed by us here at K. LUND Offshore. This gives us comprehensive in-depth knowledge.

Our dedicated staff of Service Engineers is the core of our aftermarket business, assuring high-end services based on exceptional experience and skills – well supported by our back office team that handles technical support services, inquires and orders.

K. LUND Offshore is committed to delivering an extensive array of maintenance packages and programs. Our goal is to help our clients enhance their return on investment and ensure the safety and performance of their systems, providing them with complete confidence in their operations.

We maintain a widespread global network that includes strategically positioned manufacturing sites, sales offices, and authorized service centers. This setup enables us to offer a global perspective while delivering localized service and support, ensuring that our customers receive the assistance they need, precisely when they need it.

K. LUND Offshore places great importance on customer service and has consistently advanced our aftermarket services. Our clients depend on us to keep their systems running efficiently and at peak performance.









EFFICIENT SUPPORT BY EXPERT ENGINEERS:

K. LUND Offshore is committed to your project's success with a full suite of service support. Our Service Engineers are proficient in the full range of equipment lifecycle services, from initial setup to routine and on-demand maintenance, leveraging our comprehensive system knowledge for optimal outcomes.



EXTENDING EQUIPMENT LIFE:

Our field overhaul program, inclusive of diagnostics, maintenance, and upgrades, is tailored to enhance your equipment's longevity and reliability, with K. LUND Offshore as the only approved distributor and service operator in Norway for Ingersoll Rand and Reavell Compressors.



AFTERMARKET SERVICE CORE:

Our Aftermarket division is fueled by our Service Engineers' expertise and our back-office team's efficiency, ensuring swift and effective technical support and customer service.



EXPERTISE THROUGH CERTIFICATION:

Service Engineers at K. LUND Offshore undergo rigorous training and certification, ensuring high-quality, consistent service across all our compressor systems.



TRAINING FOR EMPOWERMENT:

We facilitate ongoing training for our customers' teams, offering specialized courses for a wide array of equipment, ensuring they are equipped to maintain and operate their systems effectively.



CONTACT US







TRUSTED BY SOME OF THE BIGGEST BRANDS IN THE ENERGY INDUSTRY

































OVERHAUL PROGRAM

Air compressors play an important part in keeping your processes running reliably and efficiently on a daily basis. K. LUND Offshore understands this and offers a field overhaul program that evaluates and supports your compressor systems. It enables you to maximize the useful life of your valuable asset, and helps you avoid unwanted and unscheduled downtime through preventive measures.

Our field overhaul program includes assessment and diagnostic services, preventive maintenance, small repairs, large revisions and upgrades.

TRAINING AND COURSES

At K. LUND Offshore, we believe that sharing knowledge is key to collective success. That's why we provide unique training programs with specialized trainers to our customers. Our training programs are aimed at engineers, maintenance personnel, operators, and service technicians. We arrange training sessions both at our premises in Sola, and on-site at client facilities, whether onshore or offshore.

We offer training for:

- All K. LUND Offshore air-compressor skid
- Flare Gas Recovery
- VOC compressors
- Centrifugal air compressors
- Screw air compressors
- Reciprocating air/gas compressors
- Liquid Ring Compressors NASH and GARO
- Desiccant Dryers







How to contact us



Request a Quote