



deJonge
next gen connectors



HOW CAN WE

CONNECT YOU?

ASK J



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Next Gen Connectors

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International

Ask J

1.0

Production facilities

PORT OF ROTTERDAM

FTE: 450

PORT OF AMSTERDAM

FTE: 45

PORT OF ANTWERP

FTE: 90

GERMANY

FTE: 6

SAUDI ARABIA

FTE: 6





Safety & Quality

We stand for quality and safety. Delivering quality, for us, is a matter of surpassing the expectations of our clients.

Safety

Besides high-quality, the safe execution of our activities comes first. Through accurate risk assessment, control and practical instructions, we maintain our safety culture at a high level. Every day we strive to let our colleagues go home safe and sound!



WHG 2019 Certificate
SCC Petrochemical Certificate
ISO-9001-2015 Certificate
ISO 3834-2 Certificate
IECex03 Certificate



Quality

The quality program strives to provide quality products and services that not only meet the requirements laid down in our clients' orders and internal procedures and standards, but also meet the expectations that customers may require from a company that delivers a priority within the company policy. In order to achieve this, the LT ensures that this programme is adequately implemented at all levels of the organisation and that every employee is fully aware of his responsibility to deliver only those products and services that meet the standards set.



1.2

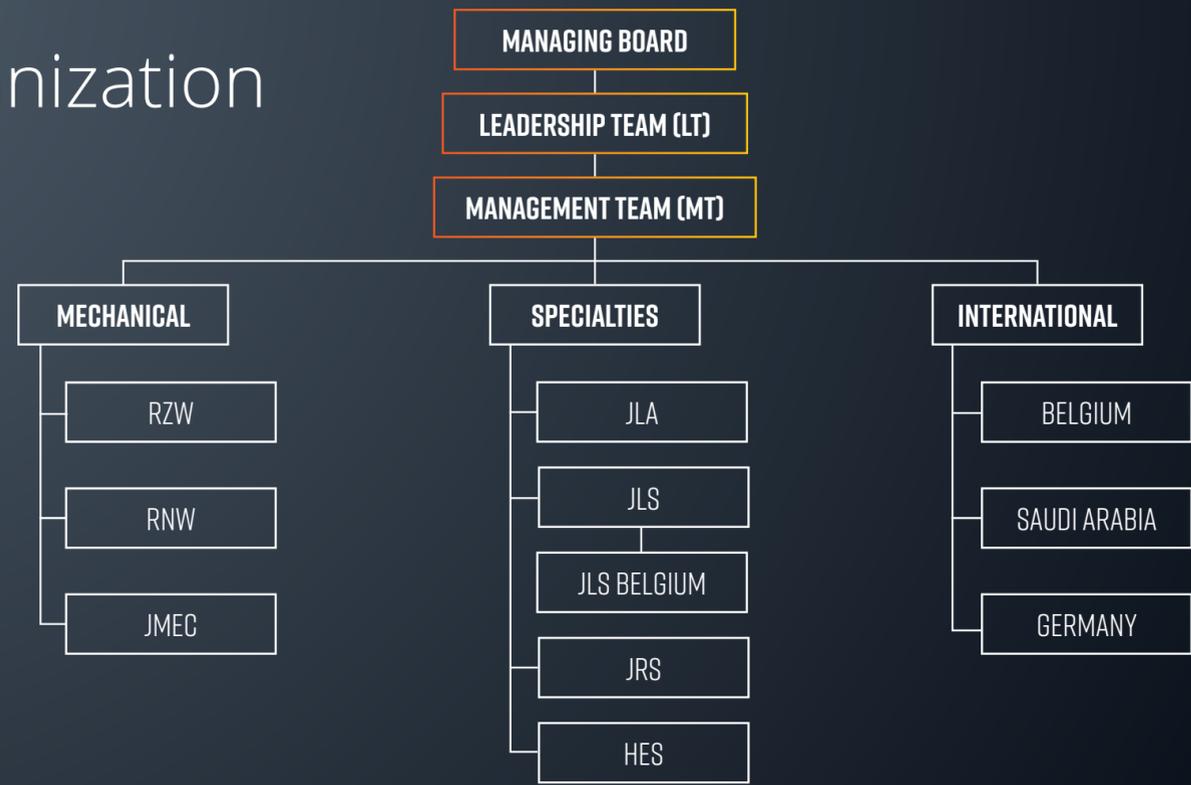
NEXT GEN CONNECTORS

Our mission

In this changing world, we aim to achieve sustainable growth by designing, building, maintaining and connecting more intelligent and safer oil and gas transportation systems from tank to tanker in close cooperation with our clients, thus becoming an industrial company with a Royal title for future generations.



Organization





About us

With our knowledge and experience of generations, we design, build and maintain valuable connections in oil and gas transportation systems. Valuable connections from tank to tanker and beyond: from hot to cold, from data to information, from engineering to welding and more. Our products and services are created to maximise the performance of our clients. Their ambition is our ambition.

Responsibility and reliability

J. de Jonge Group, a third generation family company, offers you decades of experience and the strong sense of responsibility that comes with that. Together with all our colleagues, we offer crucial support and equipment for your performance - so that you can deliver what you promise.



Innovation for generations

Eager to achieve high reliability and quality today and next gen solutions for the generations to come: a smarter, safer and cleaner industry.

All our assignments start with a question. And by connecting your question to the right people, the latest know-how, innovations and our 65 years of experience, we come up with the solution that suits you best.



1.4

Leadership

Leading for Tomorrow

We are led by third-generation family members and experienced professionals who bring a wealth of diverse experience to our company. We work with the shared purpose of creating environments in which people can learn and grow.

By encouraging an entrepreneurial spirit and proactively supporting investments in talent and technology, J. de Jonge is positioned for today and the future.



“Developing the next generation industry to prevent accidents.”

Alexander de Jonge



1.5

Heritage

Explore our story

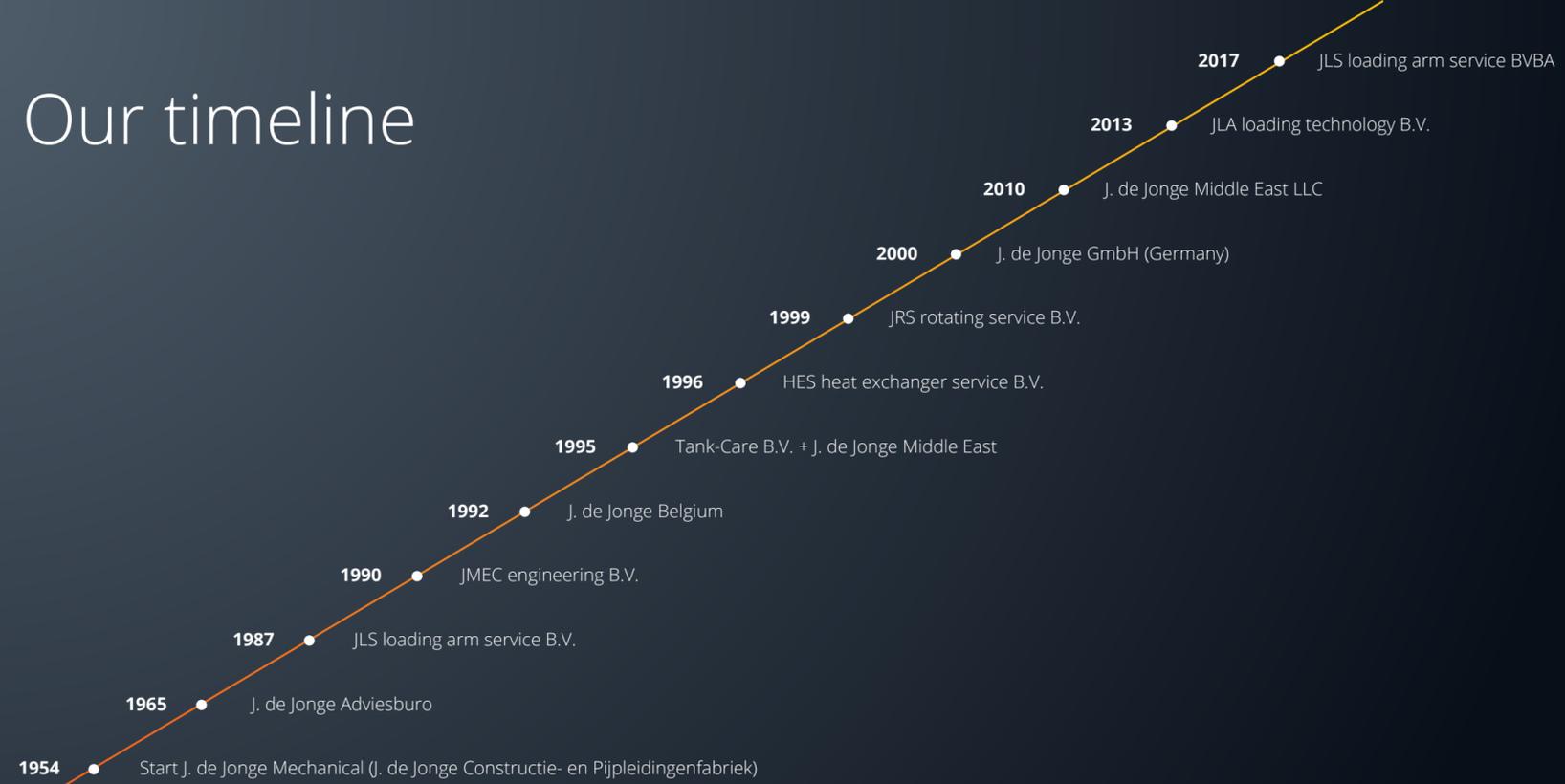
Our story began in 1954 when Jan de Jonge sr. founded the company. He was one of the first electric welder sin the Netherlands who worked for the Royal Dutch Shell. After he came back to the Netherlands from a project in Indonesia, he resigned from Shell and started the company with his pension fund.

In the seventies, the second generation entered the company with a vision that we could serve our customers better when we would do more than just connecting their assets with pipes. So he started to diversify our business by forming a group of companies which is now able to design, build and service the entire oil and gas transport system from tank to tanker.

We completed this mission and have been improving our portfolio every day since - so we are ready for the next steps. In 2008 the third generation started in the company and is developing the company to optimise the current business and taking the next steps towards fulfilling our customers future needs which mostly lay in the field of product automation and digitising processes.

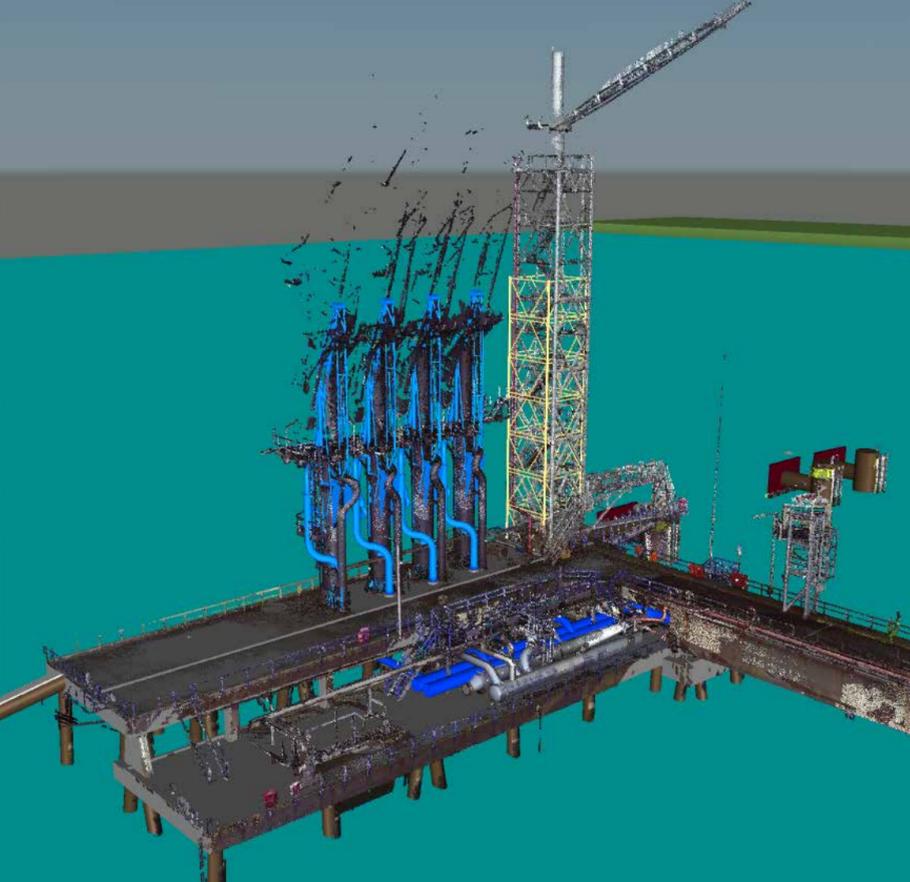
Our company will never stop developing.

Our timeline





2.0



MECHANICAL





2.1

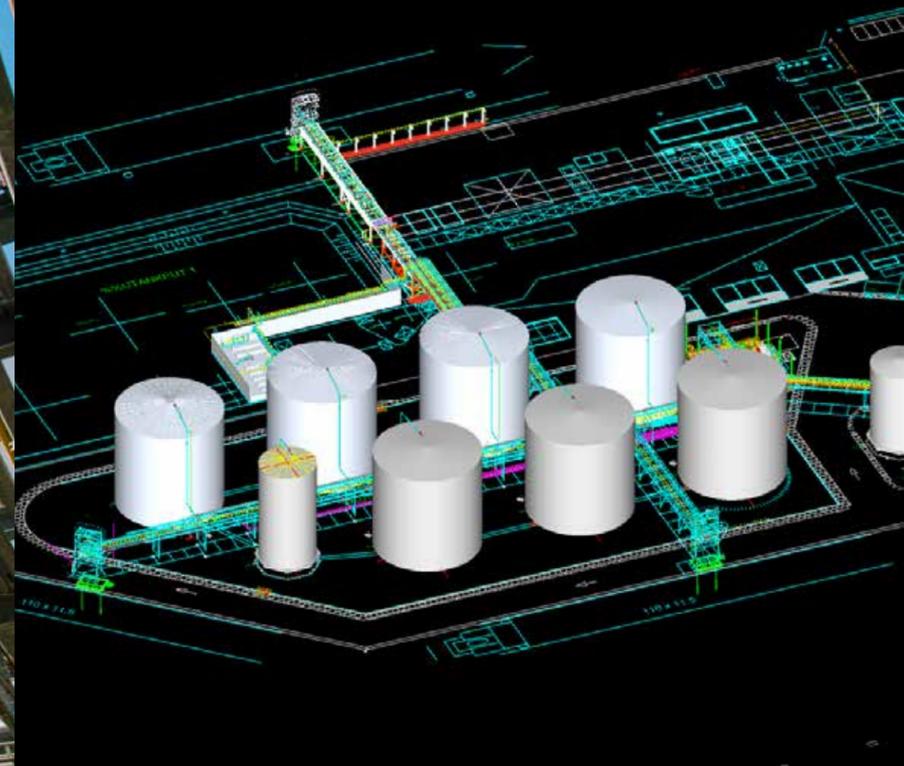
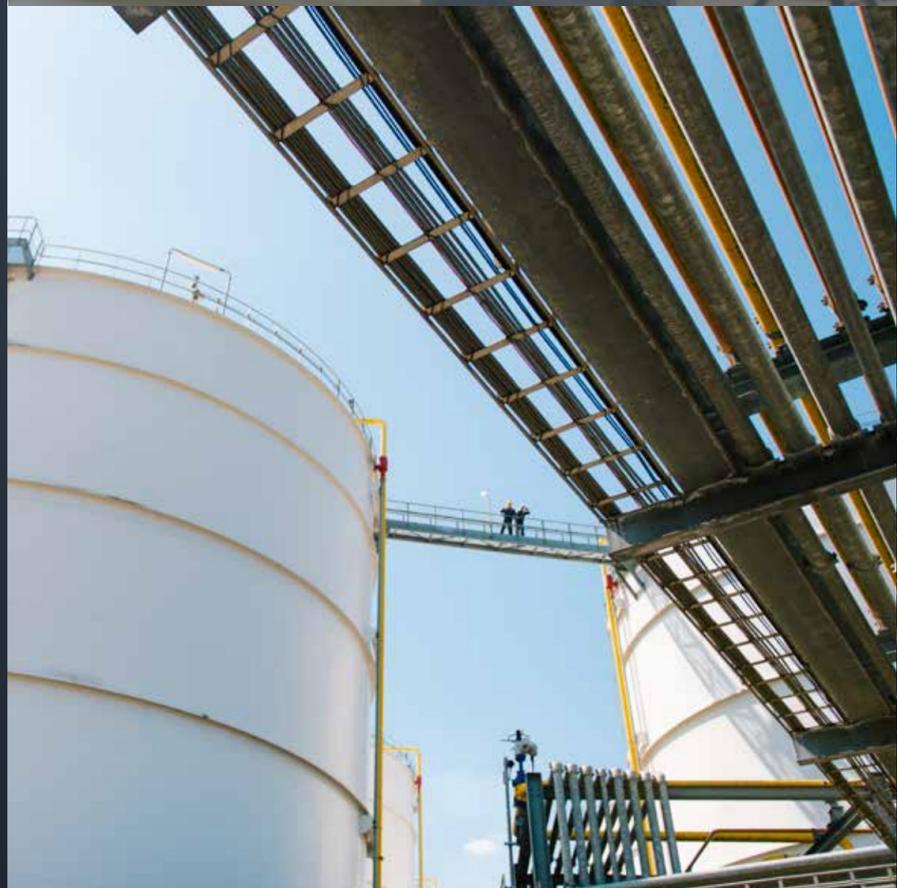
JMEC Engineering

All-round practical engineers

Our team of engineers consists of a mix of young, highly trained employees and technical specialists who work out innovative, practical and flexible solutions.

Our engineers are involved in a project from the beginning to the end and always strive for the highest possible safety and quality levels.

Whether offshore or onshore, inland or abroad, our engineers tackle the most diverse challenges in the mechanical field.

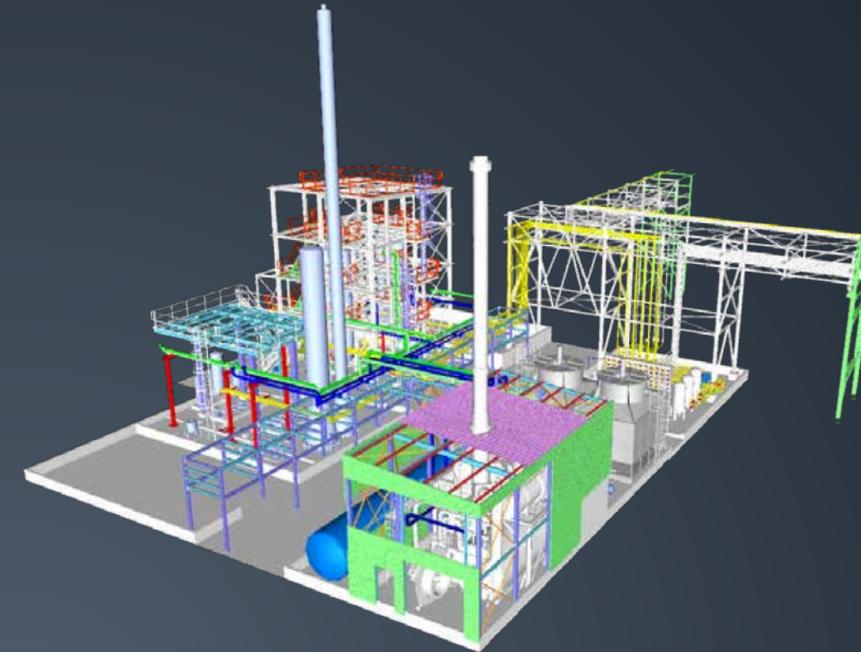


Green field engineering

Green field engineering is the design of a completely new project at a location that has no infrastructure at all. JMEC Engineering has plenty of experience designing new concepts - from FEED to delivering construction drawings.

3D Scanning

Speed, accuracy and flexibility are 3D scanning keywords. The engineers who perform the 3D scan are also responsible for working out the scan results. This provides a highly efficient way of working as well as great commitment. From onshore to offshore, our engineers are ready to suit your needs anywhere in the world.



Brown field engineering

In addition to having the knowledge and experience, our engineers use the latest technologies for solving complex problems.

- 3D modelling with Autodesk Plant 3D
- 3D laser scanning and point cloud scan data processing
- Finite element analysis and fluid dynamics
- Functional safety and reliability assessment





2.2



EPC Projects (CAPEX)

An integrated approach

Integration of Engineering, Procurement, Fabrication, Construction (EPC/EPFC) with Operations & Maintenance (O&M) is a unique value that J. de Jonge can offer.

An integrated approach of operational (O) activities and related maintenance (M) planning is essential to reach operational excellence. By aligning strategies under one O&M management team, business processes are optimised while clients can focus on their core business.



2.3

Maintenance (OPEX)

Onshore maintenance

J. de Jonge specialises in the manufacturing of mechanical constructions and the construction of piping systems. We complete our assignments within the agreed delivery time and with the quality required. Naturally, in doing so, the requirements for safety, health and environment come first.

One of the distinguishing features of our workshop is the ability to respond quickly to urgent (stop) work. Obviously, delivering quality and meeting the specific requirements of our clients are always our priority.

Equipment

- Microstep CNC Plasma cutting machine for pipe / plate / vessel head > CNC
- Bandsawing machine 350 x 400 mm
- Spotwelding machine 50 kVa
- Bending machine pipe / profile
- Bending machine plate 2500 x 15 mm > Pipe bending machine 2 inch
- Pressbrakes 2500 mm – maximum width 10 mm
- Welding Process / Methods
- Metal Inactive Gas (M.I.G.) > Metal Active Gas (M.A.G.)
- Gas Tungsten Arc (G.T.A.W.)



Boiler & furnace services

With an experienced team of boiler specialists onboard, we have decades of experience in boiler servicing and the expertise you need to ensure that your boiler is in safe and efficient working order.

We offer a complete range of boiler servicing operations which include, inspections, conversions, repairs, upgrades, economisers and control systems as well as spare parts (for any brand). Because of our expertise and brand independent status, we can service any marine vessel and industrial installation.



Turnarounds

Turnaround processes are complex and multidisciplinary. Our turnaround professionals have international experience in plant turnarounds. For us, no project is too big or too small when it comes to the goal of consistent productivity, safety and reliability.



Minimise downtime,
Maximise performance

Offshore maintenance

While more and more offshore wind parks are installed and operational, maintenance on the wind turbines is required to maximise the energy yield from the fields. The maintenance work comes in large varieties: from replacements to repairs.

Each maintenance operation requires its own specialist and specialised vessel.



2.4

Special Products

Construction

- Walkways / Stairs / Railings
- Pipe bridges
- Cable guide systems
- Reinforcement plates
- Funnels
- Headers
- Ladders & Platforms
- Towers
- Level bodies
- De-aerators
- Pigtails
- Steam spirals

Tanks / Vessels / Drums

- Tanks (small/medium/large)
- Vessels
- Drums

- Low Temp Carbon Steel fabricated items
- Piles steel
- Pipe supports, anchors, guides
- Pre-engineered hangers
- Rain hoods
- Slide plates
- Spacers
- Steel prefab
- Structural steel
- Supports
- Ducting
- Hoisting beams

Skids

- Seperator skids
- Metering skids
- Pump skids
- Filtering skids
- Offshore skids
- Tank skids
- Heat exchanger skids

Machine Building

- Piggable systems
- Pig launchers/receivers
- Pig catchers
- Accumulator
- Mech. (assembly) modules
- Mechanical Systems
- Silo's Carbon Steel
- Silo's Stainless Steel
- Stainless and nickel alloy fabricated items
- Stainless and nickel alloy pipe spools

- Steam traps
- Steel fabricated items
- Tank heaters
- Chimney
- Ferritic and alloy fabricated items
- Ferritic and alloy steel pipe spools
- Furnaces
- Living quarter modules
- Nozzles
- Channel

Appendages

- Valves
- Breathers
- SRV's
- Explosion doors
- Blinds
- Flame arrestors
- Vacuum breakers

Piping

- Pipe fittings
- Flanges
- Pipes
- Tubing
- Pipe spools custom made
- Seamless Carbon Steel pipe spools
- Spectacles
- Welded Carbon pipe spools
- Blinds
- Exhaust ducting
- Exhaust heads

Filters

- Y-Type strainers
- Cone strainers
- Bucket strainer
- Rotating filters
- Self cleaning filters
- Cone filters
- Housing inlet filters
- T-strainers





3.0

SPECIALTIES





HES was founded in 1996 and is specialised in the repair, design and new manufacturing of all types of shell and tube heat exchangers, airfin coolers and pressure vessels.

Our highly skilled employees can execute your orders fast and accurate in our well-equipped workshop - all according to the client's requirements, specifications and governing regulations.

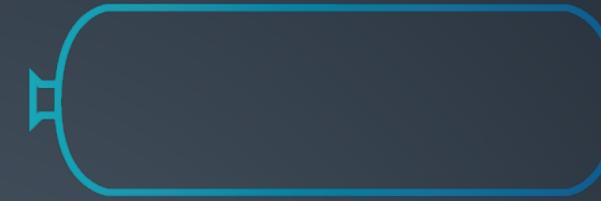
We are unrivalled and renowned by our clients as a manufacturer of pressure equipment, offering the best tailor-made products for delivery within the agreed time frame.



Our strenghts

- Highly skilled and dedicated employees
- Ultimate factory routing, carefully laid out on a production area of 3500m²
- Well-equipped factory with robotised expanding and welding machines as well as other CNC CAD controlled drilling, milling and welding machines.
- Availability of offshore and on-site intervention teams
- Mobile workshop for on-site interventions
- The ability to maintain good relationships with our customers and attract new customers
- Flexible approach, fast response on questions and demands of our customers, room for adaptation within our production process.

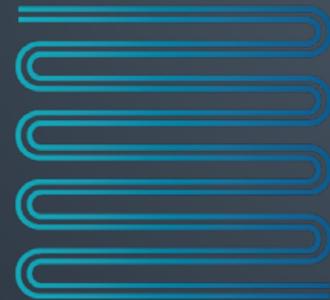
Our products



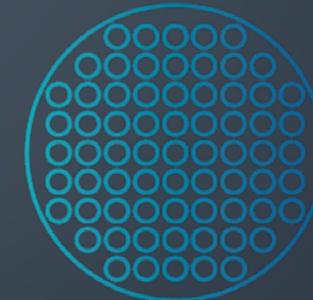
Pressure vessels



Air fin coolers



Double pipe exchangers



Shell & Tube exchangers



Tank heaters



Experts in
solution-oriented
thinking

Design & Manufacturing

In-house, HES has all the disciplines and experience which are imperative for the design and manufacturing of all types of Shell & Tube heat exchangers, airfin coolers and pressure vessels. We are able to run thermal ratings in order to size the exchangers and execute mechanical ratings with state of the art software according to the following design codes:

- ASME VIII Div. 1 & 2
- EN13445
- PED 2014/68/EU
- RToD (Dutch Boiler Code)
- BS 5500
- CODAP
- API 660 / 661
- TEMA RCB
- EUROCODES

Repair

Like no other, HES realises the importance of short delivery times during plant shutdowns. The availability of our big bundle sawing machine, on which we can handle bundle diameters up to 2,100 mm, enable reducing re-tubing times significantly.

As a result, HES is able to handle approx. 4,000 – 5,000 tubes a week.





3.2



With a large group of specialised service technicians, we ensure that your equipment remains in top condition. We are available 24 hours a day and 7 days a week and can be on-site within 2 hours.



We keep your
loading arms in
top condition

We are always available and can start immediately:

- Breakdown failure prevention
- On-site within 2 hours (Benelux)
- Parts of all brands in stock
- 20 fully-equipped service vehicles available
- Yearly (preventive) maintenance
- 24/7 on-call service
- Management of client (specific) stock
- Maintenance on gangways

We perform inspection and maintenance on:

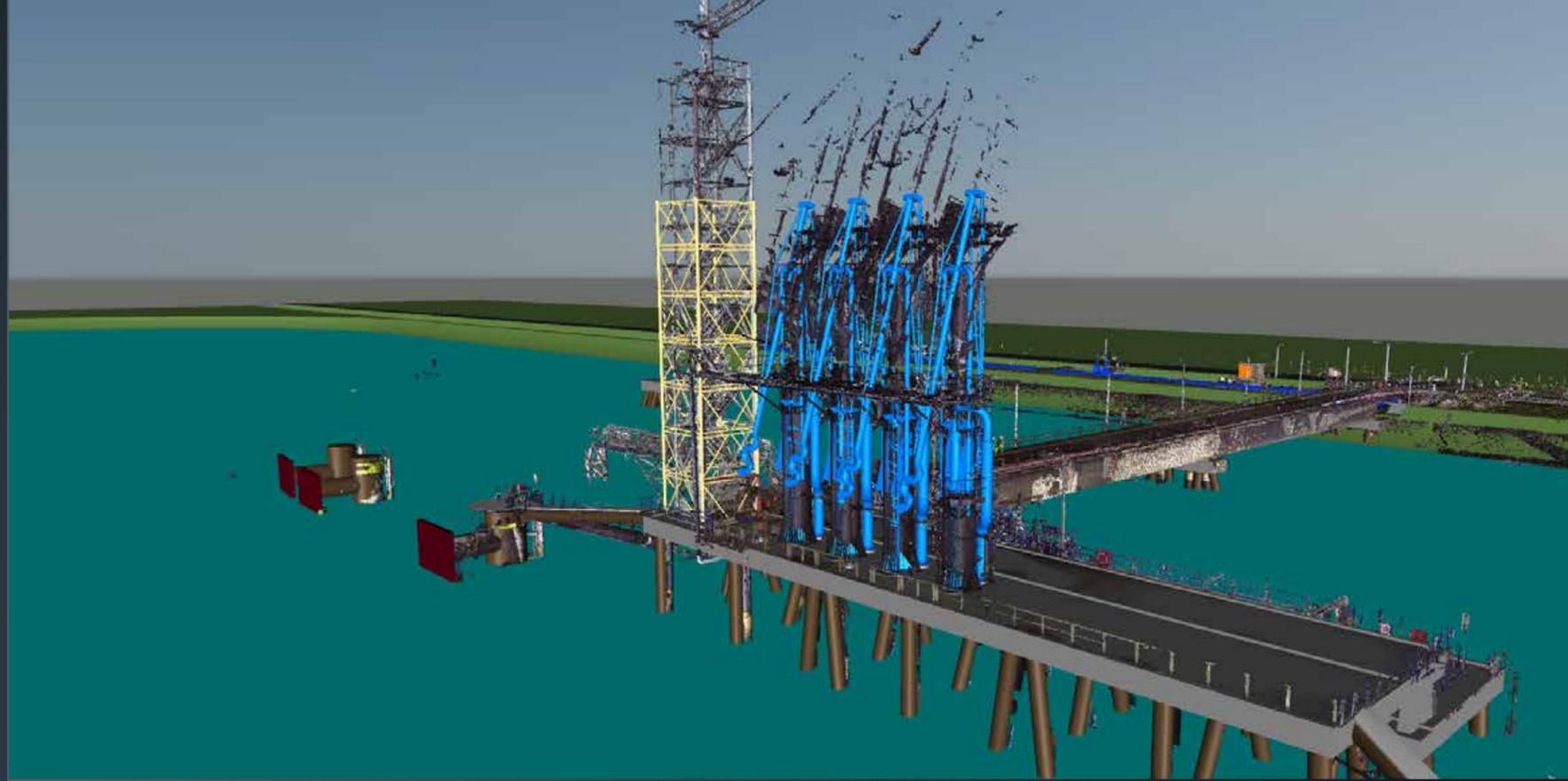


Overhauls performed with an eye for detail and knowledge of all brands

Does your current loading facility no longer suit your demands?

Our engineers and specialists are at your service.

- Modification of hydraulic system
- Modification of operating system
- Installation of QCDC equipment
- Vapor return upgrade
- Modification of working envelope
- PLC modifications
- Ergonomic modifications
- Engineering for loading arms
- Installation of ERC systems
- Integration of operating/control system



3D scanning

Speed, accuracy and flexibility are 3D scanning keywords.

The engineers who perform the 3D scan are also responsible for working out the scan results. This provides a highly efficient way of working as well as great commitment. From onshore to offshore, everywhere in the world.

In one day your entire jetty digital, it is possible with a 3D scan.

Global service centres

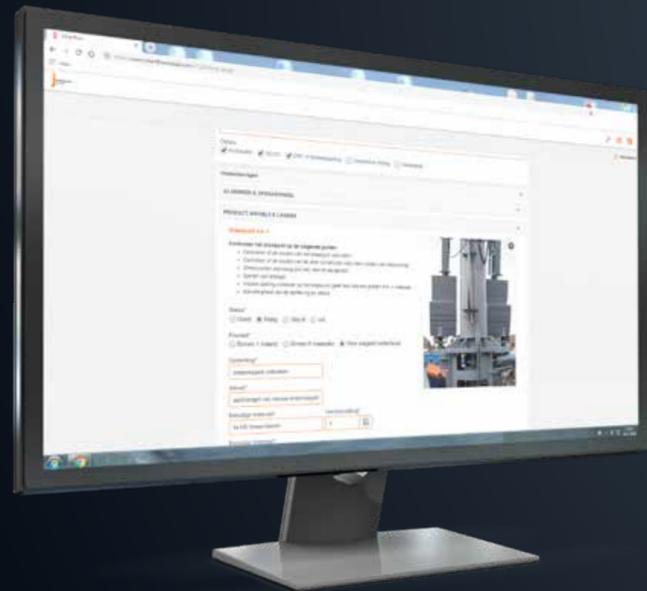
With an extensive global network of service centres, JLS is your ideal local service partner. Our service support coordination team ensures operational reliability and high performance of the loading systems, regardless of the original manufacturer.



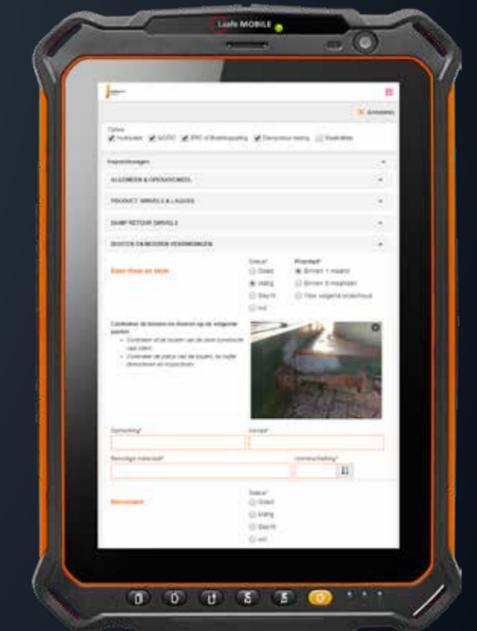
JLS App



Together in the cloud



- With our progressive digital service application, JLS, you and the equipment come together.
- Through the customer portal, you have insight into any work performed on the equipment at all times.
- You can watch maintenance and inspection rounds live digitally.
- For SEVESO audits, simple reports can be generated.





3.3



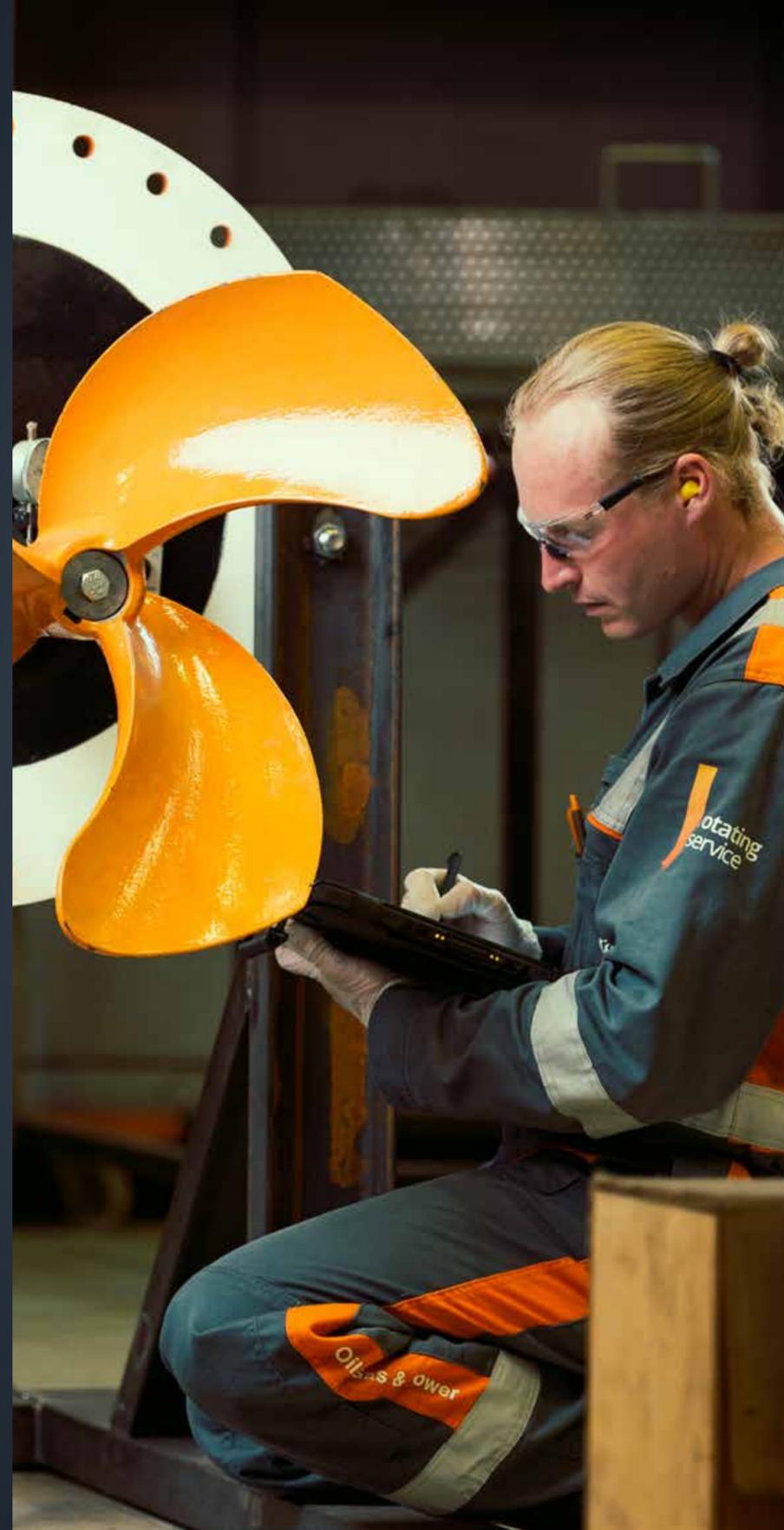
We keep
your rotating
equipment in
top condition

Proper maintenance of all your rotating equipment extends the service life of your systems and ultimately reduces costs significantly.

We are always available and can immediately begin:

- Preventive maintenance
- Corrective maintenance
- Seal leakage repair
- Repair and overhaul
- Ad-hoc service (24/7 on-call service)
- Deployment

Overhauls according to work instructions, including hold points

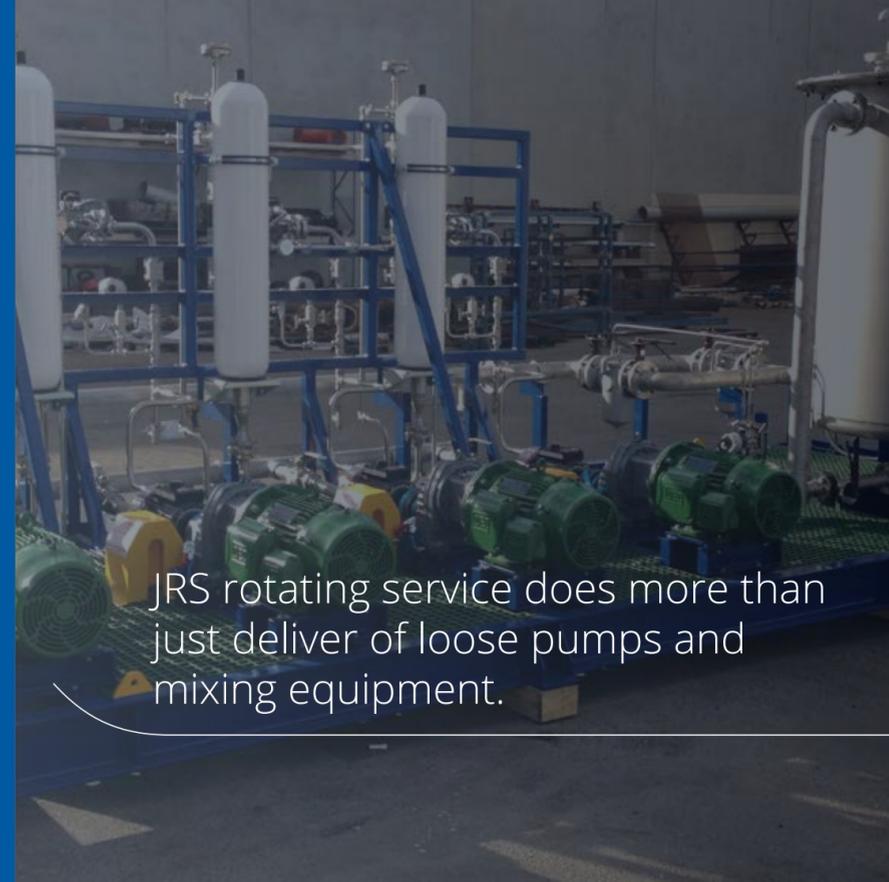


Overhaul of pumps, mixers, stirrers, gear boxes and other rotating equipment in our workshop.



- Performance of a reference alignment before removing equipment
- Equipment removal and transport
- Disassembly and inspection
- Preparation of an inspection report and a service plan to be approved
- Mechanical seal overhaul
- Balancing of shafts and impellers
- Electromotor overhaul (outsourced)
- Assembly
- Pressure testing if possible
- Final inspection
- Transport, re-installation and standing by for commissioning

IECEX



JRS rotating service does more than just deliver of loose pumps and mixing equipment.



Pump skids

We design, build and install skids independently according to client specification. Furthermore, we assemble pumps, mixing equipment, tanks, pipelines and control systems on a, custom made, frame into a self-contained installation.

Our certificates:

- VCA Petrochemie
- ISO 9001
- IECEX 03

3.4

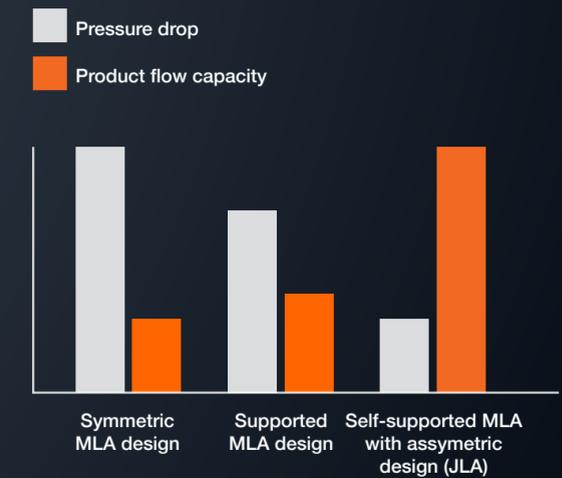


With more than 35 years of experience in maintenance and servicing all brands and types of loading arms, we created a new standard together with our customers. We differentiate ourselves by not only delivering high-end products, but a solution that satisfies the customer.

This results in minimal costs and investments. The JLA Marine Loading Arms are designed with minimal CAPEX and OPEX - all of which are supported by the largest 24/7 service crew in the world.

Over 35 years of experience

Minimal CAPEX & OPEX



Marine Loading Arms

EcoPro Marine Loading Arms

Available in diameters ranging from 4" up to 8".

HydroTec Marine Loading Arms

Available in diameters ranging from 6" to 20".

CryoTec Marine Loading Arms

Specifically designed for Cryogenic applications

GasTec Marine Loading Arms

Suitable for all liquids and gasses between -196°C and +200°C.



HydroTec Marine Loading Arms

- Cable-free design with adjustable balancing link
- Fully hardened replaceable cartridge swivel ball races
- Support jack bended towards ship manifold
- Vacuum resistant block seals with zero emission
- Self-supporting, lightweight design
- Only six swivel joints required
- Minimum pressure drop
- Operator-friendly locking system
- Modular design suitable for container shipment
- 10-year warranty



Knuckle Type Hose Loading Arm

- Primary and secondary rigid arm with hose connection
- Three swivel joints, vacuum resistant & Zero Emission
- No counterweight
- Minimum space on the jetty
- Improved operator ergonomics
- Minimised bending moment on the hose
- 10-year warranty
- No crane required

Hose Loading Arms

Single Hose Loading Arm

The Single Hose Loading Arm is an alternative for hoses or marine loading arms.

Knuckle Type Hose Loading Arm

The Knuckle Type Hose Loading Arm improves the operator ergonomics.

CryoTec Hose Loading Arm

The CryoTec Hose Loading Arm is specifically designed for Cryogenic applications, e.g.: Ethylene and LNG. Excellent for loading or unloading LNG Bunker Vessels at temperatures as low as -196°C.

Hose Towers

Conventional Hose Tower

Used in areas with a minimal difference in tides

Hybrid Hose Tower

For areas with major tide differences

Knuckle Type Hose Tower

In-house development for customers in areas with tide differences

Integrated Hose Tower

It is possible to fully integrate everything into your Hose Tower, for example gangways, cranes, piping, pigstations, safety showers, CCTV, flood lighting, etc.



Integrated Hose Tower

- Gangway integrated into the Hose Tower
- Multiple product line connections
- Cross over connections
- Minimal bending moments on the hoses
- Minimal space required
- Simultaneous dual ship loading
- No hoses on jetty
- Minimal wear and tear of hoses
- Optimised operator ergonomics



Standard Hose Reel

- Electric, pneumatic or hydraulic operation
- Flexible and wide working range
- Minimal wear and tear on hoses
- Improved operator ergonomics
- Minimal space required and minimal jetty loads
- Vacuum Resistant Swivel Joint
- Zero Emission Swivel Joints according to TA Luft VDI 2440

Hose Reels

Standard Hose Reels

Ideal for vapour capturing from ships at temperatures from -50 up to +100°C

Telescopic Hose Reels

The pneumatic sliding beam makes connections easier. Ideal for vapour capturing from ships at temperatures from -50 up to +100°C

Double Hose Reels

Ideal for vapour capturing in large volumes from ships at temperatures from -50 up to +100°C

Land loading equipment

Top Loading Arm

Top Loading Arms are used to load trucks or trains from the top. Suitable for all liquids and vapours between -50 and +200°C

Bottom Loading Arm

The bottom loading arms are used to load or unload trucks and trains through connections at the bottom of the vehicle

Folding stairs & Safety cages

Safe, reliable and robust access



Top loading arm

- Balanced by counterweight or spring balanced
- Vacuum resistant swivel joints with Zero Emission
- Optional with pneumatical or hydraulical operation



Standard Hose Reel

Compared with other bunkering methods, the flexibility of ship-to-ship bunkering is high with respect to capacity and bunkering location. Because the bunker vessels are moored alongside LNG-fuelled ships, this bunker method could permit simultaneous cargo handling if approved by the relevant authorities, such as the port authority.

LNG Bunkering

Ship-to-ship LNG Bunkering

Ship-to-ship bunkering can take place at different locations: along the quayside, at anchor or at sea. It is the most common bunkering method used for bunkering seagoing vessels with HFO and MGO.

Shore-to-ship LNG Bunkering

Another bunkering method is shore-to-ship, where the LNG is either bunkered directly from an (intermediary) tank or small station, or from an import or export terminal.

4.0

INTERNATIONAL

Kingdom of Belgium

Services
EPC Projects
J. de Jonge Maintenance
JMEC Engineering
JLA loading technology
JLS loading arm service
HES heat exchanger service

Federal Republic of Germany

Services
JLA loading technology
JLS loading arm service
HES heat exchanger service

Kingdom of Saudi Arabia

Services
JLA loading technology
JLS loading arm service
HES heat exchanger service

5.0

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deJonge
next gen connectors

NEXT GEN CONNECTORS



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