



# Passion at work

Oil & Gas



Seaway Heavy Lifting



# Our profile

# Driven by challenges

Seaway Heavy Lifting is a leading offshore contractor in the global Oil & Gas and Renewables industry, offering tailored T&I and EPCI solutions\*. We service a diverse client portfolio including the major operators in the offshore Oil & Gas and offshore Renewables industry. We operate globally focusing on the North Sea, Mediterranean, Americas, Africa, Asia Pacific and Middle East. Our track record is reflected in our portfolio of project and client references.

Our goal is to provide our clients with the most effective and added value solutions. This goal is supported by our highly skilled and motivated workforce, quality assets and our continuous focus on new technologies. We utilise our experience and proven solutions from both the offshore Oil & Gas and offshore Renewables industry whilst capitalising on the EPCI expertise from our parent company Subsea 7.

## Oil & Gas

Our track record of successful project delivery spans two decades, from the North Sea and Black Sea to the Gulf of Mexico, Barents Sea, Malaysia and offshore India. We have successfully executed over 150 Oil & Gas installation projects. We provide the expertise required for a complete installation scope of work (T&I) with the experience and capacity to achieve project goals regardless of size and complexity. Our scope includes, amongst others, Transport and Installation of platforms, deepwater structures and platform decommissioning.

## Renewables

We have become increasingly active in the Renewable energy industry in recent years. We have installed hundreds of Wind Turbine Generator (WTG) foundations. We draw on our track record of substations and HVDC components all supported by two decades of successful installations for Oil & Gas clients worldwide. Following the consolidation of parent company Subsea 7's Renewable energy business into Seaway Heavy Lifting, we undertake major offshore wind projects, with a total project orientation ranging from design and engineering to complete offshore installation (EPCI).

In addition, we offer integrated installation services, with the objective of minimising the risks of the offshore construction phase of the project. Integrated Installation combines the tailored project solution for the installation of the WTG, inner array cables and substation, complimented with overall project management, risk management, marshalling and harbour logistics.

Installation Panna PJ STD platform, Arabian Sea

\* T&I: Transport & Installation, EPCI: Engineering, Procurement, Construction and Installation.

# Highly skilled and motivated workforce

Our highly skilled and motivated on- and offshore professionals are passionate about working on detailed, effective and maximum added value solutions. They apply the highest standards on behalf of our clients and take full ownership of all projects. This ensures safe, smooth and successful project realisation: we never compromise on safety and always deliver what has been promised.

## Our ambition

We strive to be the leading offshore contractor in the Oil & Gas and Renewables industry in our targeted market segments, preferred and respected by clients. We can only claim this position by demonstrating leadership in safety, innovation and overall project performance, as well as delivering high-value

engineered solutions. Our success is therefore based on our people. We support, train and guide our people to be the best in our industry, making sure we deliver the best added value solutions to our clients.

## Our values

At Seaway Heavy Lifting we feel the same about what our company is all about. This understanding is captured in our values; safe, fair, efficient and passionate. These values match our vision of what kind of company we want to be. They guide our behaviour and form the basis for all our activities and relationships. Our values are reflected in our business principles which leave no room for compromise, as they are the very essence of our business success.

Our key principles read as follows:

## We never compromise on safety

Safety is of paramount importance to Seaway Heavy Lifting because we care about everyone who is involved in our projects. These projects are undertaken in ways that maximize safety and environmental protection. Our demanding Incident & Injury Free (IIF) programme provides a solid foundation for our safety driven culture. All parties involved in our work - including business partners, subcontractors and suppliers - are bound by our IIF regime. It is governed by a management system which drives continuous improvement and demands full compliance with national and international regulatory requirements. We relentlessly strive to be an Incident & Injury Free company.

## We never lose sight of the agreed schedule and budget

We focus on what our clients need and in so doing we apply the highest standards of project management. Proven solutions are our starting point, tailored to the requirements of our clients. We exercise complete control over our fully owned vessels and other assets. We always make sure that everyone is aligned by communicating extensively, from the preparation phase right through to the delivery phase. When circumstances change, we are flexible and adapt our approach or process, never losing sight of the agreed schedule and budget.

## We always deliver what we have promised

It is our goal to provide our clients with the most effective and added value solutions. A clear and constructive relationship between contractor and client is essential for success. For that reason, we value open and transparent dialogue with our business partners. We never undertake anything we cannot handle because we recognize the value of certainty. We avoid surprises and always deliver what we have promised.

## Our people are our force for innovation

Our highly skilled and motivated on- and offshore professionals are passionate about working on detailed, effective and maximum added value solutions. We are proud of their expertise and experience. By supporting, training and guiding our people to be the best in our industry, we make sure they continue to be a force for innovation.



## Our values

- Safe
- Efficient
- Fair
- Passionate

## Representing our passion

- High safety and quality standards
- Innovative EPCI and T&I solutions
- Proactive project management
- Highly skilled and motivated workforce
- Open and responsive relationships
- Maximum added value solutions



# Two decades of experience

Many of our senior personnel played their part in the North Sea's first offshore installation projects in the early 1980s. Since then they have participated in some of the largest and most complex installations ever undertaken. This expertise and experience came together in 1991 with the establishment of Seaway Heavy Lifting. Operations began with the crane vessel Stanislav Yudin. In 2011 a new build larger crane vessel was delivered, the Oleg Strashnov.

Over the years we have grown steadily to become the global offshore contractor we are today. We have installed more than 150 projects for the Oil & Gas industry. The last years we became increasingly active in the Renewables industry and have installed many hundreds of WTG foundations and various substations.

We draw on our two decades of successful installations for Oil & Gas clients worldwide.

## Our vessels and equipment

We own and operate crane vessels Stanislav Yudin and Oleg Strashnov, which have a revolving lift capacity of 2,500mt and 5,000mt respectively. Both vessels are state of the art and certified to the highest standards. The Oleg Strashnov meets all DP3 requirements of the offshore industry and has generous deck space totalling 4000 sq. m (8500 tonnes load capacity).















In addition to our vessels we own high quality support equipment, including rigging, hammers and a wide variety of pile handling tools, which enable us to work efficiently and make us reliable in delivering on our commitments.

Installation 4000 mt platform, Mumbai High North, India



Platform designed and constructed by Larsen & Toubro

## Our track record

<p><b>Description:</b> T&amp;I Statford SSP 6 topsides and templates <b>Where:</b> NS Norwegian sector</p>  <p><b>1993</b></p>	<p><b>Description:</b> Removal Viking A complex. A record of 99.7% was recycled. <b>Where:</b> NS British sector</p>  <p><b>1996</b></p>	<p><b>Description:</b> Pile installation harbour Monaco <b>Where:</b> Monaco</p>  <p><b>2001</b></p>	<p><b>Description:</b> Lift – float – upend the South Pars jacket in 70m water depth <b>Where:</b> Persian Gulf, Iran.</p>  <p><b>2002</b></p>	<p><b>Description:</b> T&amp;I Varandey FOIROT (Fixed Offshore Ice Resistant Offloading Terminal) <b>Where:</b> Varandey Russia</p>  <p><b>2007</b></p>	<p><b>Description:</b> Platform installation 4000mt Mubai High North <b>Where:</b> India</p>  <p><b>2012</b></p>	<p><b>Description:</b> BorWin jacket for float-over deck <b>Where:</b> NS German sector</p>  <p><b>2013</b></p>
<p><b>Description:</b> Removal Jack up drill rig "Al Baz" in Nigeria <b>Where:</b> Nigeria</p>  <p><b>1992</b></p>	<p><b>Description:</b> T&amp;I Lasmo ST-1 platform (with underwater hammer S-500) <b>Where:</b> NS Dutch sector</p>  <p><b>1994</b></p>	<p><b>Description:</b> T&amp;I Trent 2200mt deck <b>Where:</b> NS British sector</p>  <p><b>1996</b></p>	<p><b>Description:</b> Installation BD platform scope comprises 4000t launch jacket <b>Where:</b> Libya</p>  <p><b>2002</b></p>	<p><b>Description:</b> ATP Kilmar jacket upended by dual hook upend method. <b>Where:</b> NS British sector</p>  <p><b>2006</b></p>	<p><b>Description:</b> Removal Inde Platforms of Shell Indefaligable field. <b>Where:</b> NS British sector</p>  <p><b>2010</b></p>	<p><b>Description:</b> Barzan Platform installation on DP <b>Where:</b> Qatar</p>  <p><b>2013</b></p>

# Oil & Gas



Installation Q13a-A  
topside, North Sea,  
Dutch sector

# Tailored T&I solutions

Having successfully completed more than 150 offshore installation projects, Seaway Heavy Lifting has built a reputation for success and reliability. Our solutions prioritise safety and efficiency and clients benefit from our accumulated experience. Our versatile and certified crane vessels and innovative equipment enable us to ensure timely access to remote deepwater and shallow water frontier locations.

We understand the quantification and management of risks. We therefore take on projects on a lump sum basis. By being involved at an early stage we aim to reduce risks and complexity and limit the impact of scope changes. Predictability of outcome is key to us; we deliver maximum added value solutions, on time and within budget. Strong engineering, open and transparent dialogue with our clients and partners and expertise in management and logistics of equipment and assets support that vision.

## Passion at work

Our expertise and passion for working on maximum added value solutions were included in the design and build of our vessels and equipment, resulting in integrated lessons learned and improved technologies and working conditions. The sum of experience of everyone within our team is of enormous value in everything we do.

We participate in joint industry initiatives to support our focus on innovation and new technologies and demonstrate our commitment to the industry. Our strong focus on supply chain management is reflected in our long-term relationships with our contractors and partners. We bind all our partners to the strict safety regulations and preconditions we set for ourselves, to assure that we always deliver what we have promised.

## Representing our passion

- Early involvement
- Ownership of risks
- Predictability of outcome
- On time and within budget
- Focus on interface management
- Participation in industry initiatives

# Maximum added value solutions

## Transportation & Installation

Seaway Heavy Lifting's shore-based expertise is matched by the experience and commitment of our seasoned offshore personnel.

### Platform

#### Topside

Our topside installation capabilities can handle lifts up to 5,000mt, which we offer with the DP3 crane vessel Oleg Strashnov. Her versatile and fully revolving crane, large deck area and excellent stability and workability characteristics complete her package, making her the fastest monohull crane vessel on the globe to date.

#### Float-over

We have also responded to growing interest in float-over solutions for topsides. We utilise heavy transport vessels or barges and also offer float-overs of large topsides. We are actively exploring new technologies to further improve our large-scale float-over operations.

#### Jacket

We offer several jacket installation options: vertical lift jacket, vertical lift from a submersible barge, lift-off and double hook upending, lift-off / lower into the water / re-rig and upending and the use of launching jackets, all of which enable our clients to design the most economic jacket for their platform.

#### Module

Over the past two decades we have been entrusted with the Transport & Installation of many offshore modules. Ultra-heavy lift capacity and DP3 station-

keeping ensure that all units are handled safely and efficiently. The crane vessels' decks provide plenty of space for transporting platform components, which enables multiple transportation options to optimise project performance. In combination with the sailing speed of the crane vessel Oleg Strashnov, even remote locations are no longer a challenge.

### Deepwater structures

We pride ourselves on our in-house deepwater installation expertise. Comprehensive planning – as always – is a vital success factor. Our engineering, project management and offshore personnel have undertaken a full range of SPAR, TLP, FPS template and riser installations. Various deepwater lowering options are available, offering safe working with large weights at extreme depths. Oleg Strashnov's unique dual hull width increases stability and workability. The roomy main deck reduces dependence on cargo barges. The fully revolving crane, equipped with a deepwater hook, is ideal for pile and tendon handling and upending as well as for installation of foundation templates.

#### SPAR

Oleg Strashnov's crane has the lift capacity needed for heavy topsides and large module installations. There is a wide range of rigging options, combined with various hydraulic release lifting shackles and anti-twist devices. This vessel's main winch provides for direct, over-the-side deployment of moorings. There is 1,000 m2 of underdeck storage area for polyester mooring lines. We provide all the special equipment to meet project specific requirements.



#### Tension Leg Platform (TLP)

Oleg Strashnov's long crane boom (800 tonnes at 134m hook height) allows safe tendon section handling, tendon string assembly and installation. A purpose-built tendon alignment tower is used for hook-up and string assembly. Tendons and buoyancy tanks are handled and stored on the large work deck to limit the use of cargo barges offshore.

#### Floating Production System (FPSO, FLNG, SEMI)

The installation of an FPS in deep water can prove to be a challenging task that requires our in-house installation and foundation engineering expertise, as well as our state of the art crane vessel Oleg Strashnov. With her fast transit speed, dual hull design, large working deck and high capacity versatile crane the Oleg Strashnov combines speed, workability and a variety of storage, handling and lowering characteristics to suit any type of mooring spread installation in any type of frontier location.

#### Template

The many options for deepwater installation also include template installation either using full main hoist capacity with hang-off frame and spreader bar, or using fibre ropes to lower structures to the designated water depth. Alternatively, structures may be lowered to the required water depth by re-reeving the main hoist.

#### Riser

The installation and hook-up of risers are considered to be a critical process in an offshore installation development, especially when you take the dynamic loads and service conditions into account. The positioning, DP3 and versatile crane of the Oleg Strashnov, combined with engineered riser installation procedures that are tailored to the risers' fatigue loads, tolerances, mechanical properties and environmental conditions minimise the offshore installation risks that coincide with the demanding riser installation.

# Oil & Gas

## Platform decommissioning

The removal and recycling of offshore platforms and subsea structures is a major challenge. Legislation in the North Sea dictates that the structures have to be removed in full. Derogation can only be obtained to leave the structure partly in place in specific cases and only for very large structures.

New technology and enhanced production methods make it possible to increase the recovery rate. Consequently, the majority of the offshore platforms exceed their design life. Many of these platforms are due to be removed in the next decade.

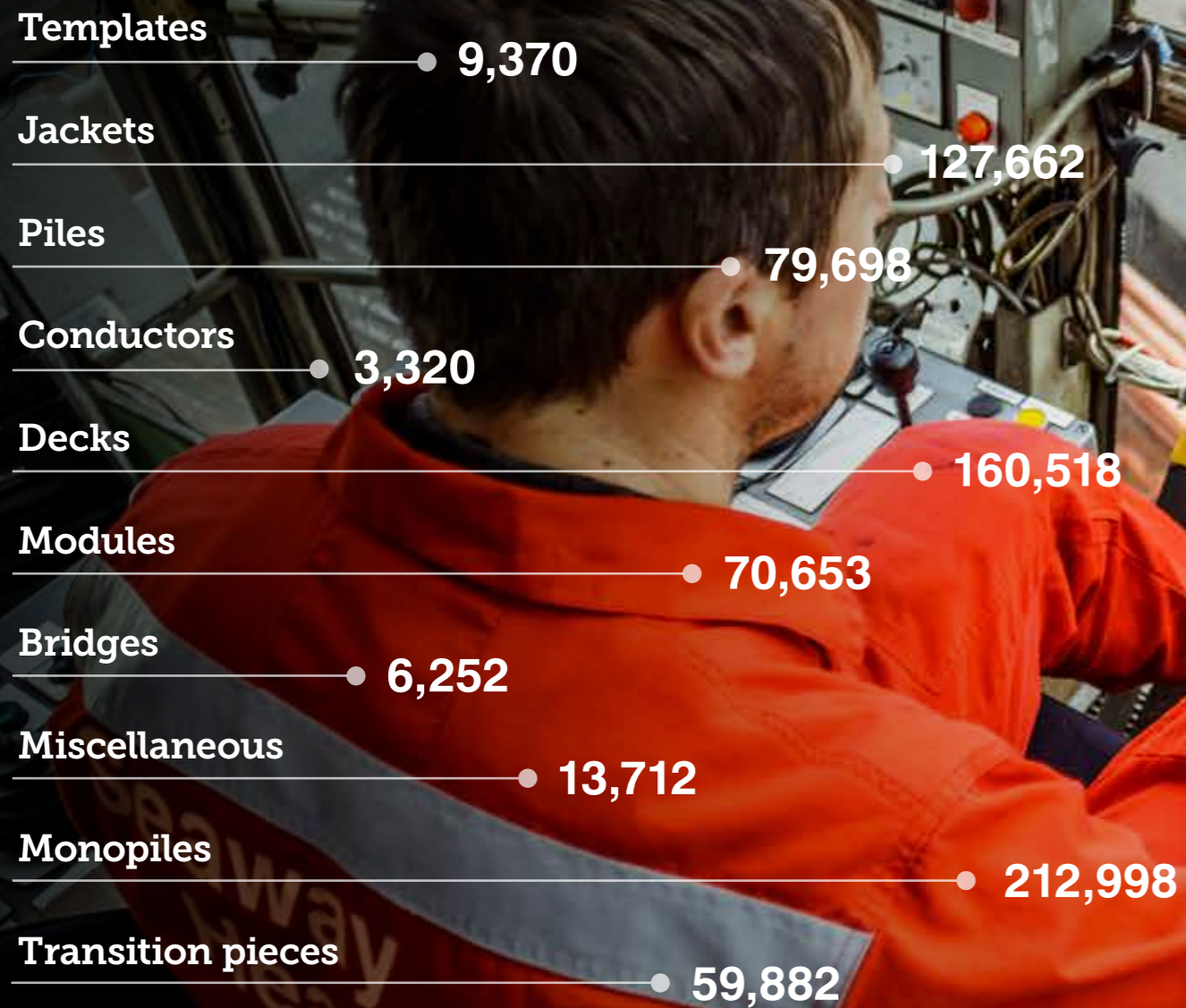
Seaway Heavy Lifting has the capacity and experience (including single lift solutions) to undertake large-scale platform removals. Our total service includes preparation, rigless P&A, platform and pipeline purging and cleaning, subsea work through removal and recycling of the platform onshore. Rigorous safety and environmental standards are applied. Our emphasis is on hazard identification and detailed risk assessment, to resolve issues at the earliest possible stage. Early involvement, preferably at the cessation of the production phase, avoids having to do re-work and ensures that the platforms will be removed and recycled in a safe and efficient manner.



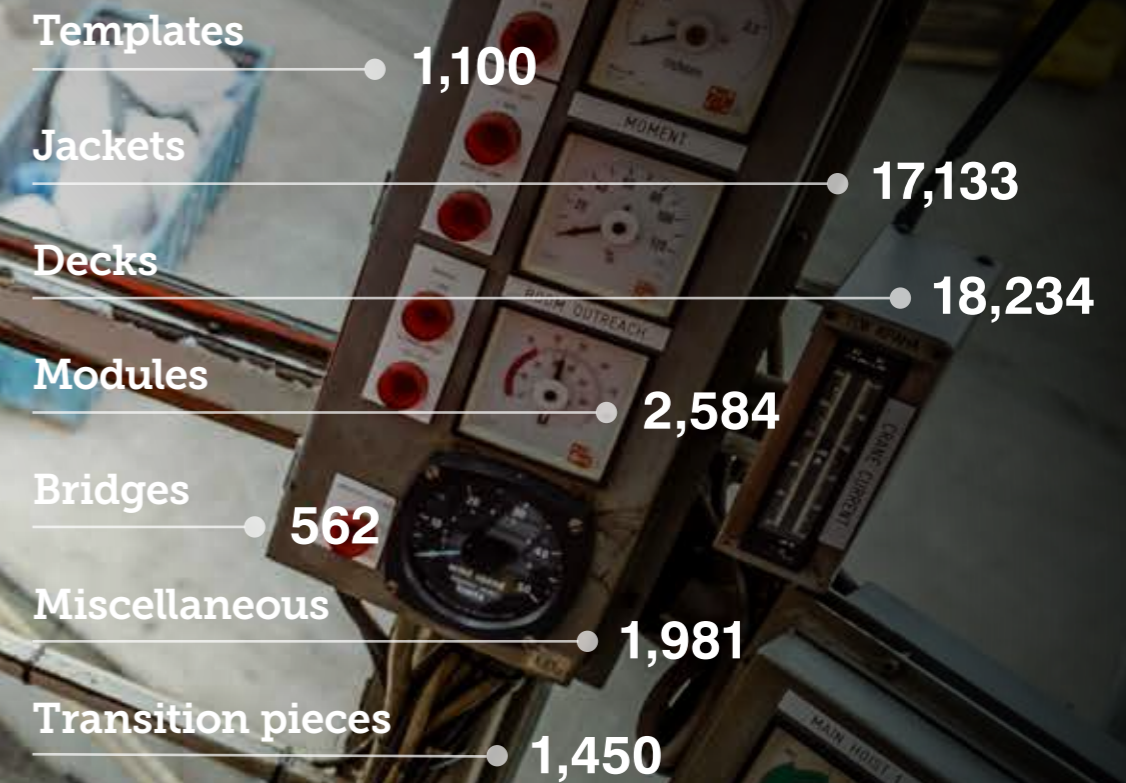
# Our passion in tonnes

These facts are from 1992 until December 2013. Acknowledgement: Planning department.

## Installed tonnes



## Removed tonnes





# We look forward to meeting you

We trust this brochure improves your understanding of our organisation. We look forward to meeting you and telling you more about how we can support you in your offshore challenges.

[www.seawayheavylifting.com](http://www.seawayheavylifting.com)

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