



## HSE MANAGEMENT IN THE OIL AND GAS INDUSTRY

**Ramboll Oil & Gas offers HSE management support and services during all life-cycle stages of oil and gas facilities**

The management of health, safety and environmental (HSE) issues is a matter of managing risks. Risks to persons, the environment, production and reputation. Reducing these risks is key to an efficient and sustainable production.

At Ramboll we have many years of hands-on experience in assisting the oil and gas industry in ensuring successful HSE management. Our know-how ranges from design and implementation to maintenance of HSE management systems.

### **Ensuring continuous improvement in HSE performance**

HSE management is not an additional layer of procedures. Rather it is a way to organise the elements which are required for ensuring continuous improvement of the health, safety and environmental performance in an organisation.

### **Getting certified**

When companies prepare for being third party ISO14001 and/or OHSAS 18001 certified, the motivation from both management and employees to improve the HSE procedures increases. Not only does it raise awareness on the issue, but commitment and performances improve as well.

### **Designing, implementing and maintaining HSE management systems**

Ramboll offers consultancy services both with respect to the overall HSE management system and within selected elements of the system, no matter if it is a new or an already existing system.

On all projects we work in accordance with the requirements of our customers and relevant authorities, and in conformity with the international standards ISO 14001 and OHSAS 18001.

### **Tailormade solutions**

Our HSE management services are tailored to the needs of our individual customers. We can deliver services directly from our office, or we can take on the HSE management responsibility of a specific project phase with our specialist working in an integrated team with our customer.

### **CONTACT INFORMATION**

#### **HEALTH & SAFETY MANAGEMENT**

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#### **ENVIRONMENTAL MANAGEMENT**

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## REFERENCES IN HSE MANAGEMENT

### Nord Stream

- Authority approval assistance for offshore pipeline
- HSE management of non-operated licenses and projects
- Assistance to HSE management system development for offshore installation

### Noreco

- Assistance to HSE management system development

### PA Resources

- Assistance to exploration drilling permitting

### Samsung

- HSE risk management for Nexus FPSO

- Safety and health case for offshore installations
- Environmental impact assessment for offshore wind farm
- HSE risk management for Etzel gas storage facility

### Our services include:

- Review, design and implementation of HSE management systems
- Management of HSE authority approvals
- Authority contact and HSE communication to stakeholders
- Preparation of corporate HSE policies and procedures
- Preparation of HSE plans including definition of HSE objectives, targets and improvement programmes
- HSE requirements to contractors
- HSE risk management
- Preparation of safety and health cases
- Environmental assessment
- Monitoring and follow up of HSE performance
- Auditing and follow up

### Multidisciplinary approach

One of Ramboll's strengths is our multidisciplinary and international

approach to projects. An example of this is the Nord Stream pipeline project from Russia to Germany through the Baltic Sea.

For this project we managed the permitting process in the involved countries, covering preparation of all required environmental impact analyses, environmental monitoring programmes and risk and safety analyses.

A special advantage was our local presence in the involved countries which was a key factor in ensuring a smooth permitting process.

Our multidisciplinary approach has also proven its value when working with decommissioning projects for customers such as Conoco Phillips, Total, Shell, DONG Energy etc.

### About Ramboll

Ramboll is a leading engineering, design and consultancy company

employing close to 9,000 experts and with a significant presence in Northern Europe, Russia, India and the Middle East.

With almost 200 offices in 20 countries we emphasise local experience combined with a global knowledge-base.

The business unit Ramboll Oil & Gas provides highly specialised engineering consultancy services to the worldwide oil and gas industry. We employ 700 dedicated oil and gas specialists and have 30 years of experience in the off- and onshore industry.

### Contact and information

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### LEFT

Heavy lifts offshore require thorough hazard identification and risk assessment in the planning as well as in the execution phase.

### RIGHT

Flaring without compromising safety is often a key HSE issue when assessing options for environmental improvements.