

# UNMANNED OPERATION PLATFORMS

OFFSHORE MARKET



## A strong reputation

In recent years, Bilfinger Tebodin has had a strong focus on the offshore industry. More specifically, we have built up an impressive portfolio of demanning projects for offshore oil and gas platforms in the North Sea.

With a historic strong presence in the Oil and Gas Industry, our portfolio of services has been growing with the new demands and expanding needs of the Industry. Not only in the sector but in addition the wind, aquaculture and sea-mining area's of development have been included in the portfolio of offshore activities.

We offer independent consultancy and engineering services to both multinationals and local Oil and Gas companies. With our broad experience and expertise, we help our clients realize new strategies in rapidly changing markets.

## Market Offshore Oil & Gas Industry UNMANNED OPERATION PLATFORMS

- North Sea platforms
- Normally Unattended Installation
- Minimize operational and maintenance costs
- Complex offshore safety studies
- Combination of both engineering and consultancy

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## The Offshore market

The Dutch Offshore Industry is a leader in design and exploration and is known for its innovative character, high efficiency and professionalism. The development of companies in the Offshore industry is largely dependent on developments in the international Oil, Gas and Wind Energy market. We are able to continuously anticipate and adapt to each new development and are therefore always in the forefront of the market.

## The Offshore Oil and Gas market

Oil and gas production in the North Sea will remain crucial for the availability of oil and gas in the coming decades. This oil and gas is extracted and processed via production platforms and then transported to the mainland. There are considerable risks related to offshore oil and gas. In particular, the disaster in the Gulf of Mexico in 2010 made the public aware of the risks associated with offshore activities.

As Bilfinger Tebodin, we modernize platforms with the latest and most sustainable techniques, simplify installations and thereby reduce emissions and operating costs, with a permanent focus on safety and the environment. Due to the depletion of gas fields and the low prices, more and more manned platforms are coming under pressure. An efficient way to minimize operational and maintenance costs is to transform the manned platform into an unmanned operating platform.

## Solid, smart and cost-effective

The offshore market is constantly changing. Bilfinger Tebodin has expanded its expertise and portfolio in recent years by demanning platforms. An "unmanned" platform can be divided into three different categories:

1. Minimum manned installation (MMI)
2. Not normally manned installation (NNMI)
3. Normally Unattended Installation (NUI)

The difference in these three categories is in the fact how many people can be present for accommodation and how often the platform needs to be visited periodically.

The concept of an unmanned platform is not new in the industry, but two decades ago the "unmanned" platform had to be visited weekly for maintenance and modifications. Today, we develop designs that only need to be visited once or just several times a year.

## Benefits of an unmanned platform

The cost savings associated with demanning projects have a demonstrated up to 30% operating cost reduction without loss of reliable production, and significant reductions in hazards exposure for people operating the facilities.

## Safety and quality

In all our activities, we meet strict international standards for safety, quality and respect for the environment. Bilfinger Tebodin is known for its unique combination of local know-how and international expertise, for its down-to-earth project approach within the agreed time and cost. These benefits have often made the difference in oil and gas projects, and can also improve your results.

## Our services and proposition

Through the integration of engineering and design knowledge from different technical disciplines, Bilfinger Tebodin can fully supervise and effectively execute your projects. We are particularly talented in strengthening the organization and the associated processes, as well as conducting complex offshore safety services such as:

- Safety and Environmental Critical Elements
- Safety Cases & RiGG documents
- HAZID & HAZOP reviews
- Fire Protection Analysis
- Asset Integrity Studies
- BowTie Risk Analysis
- Escape, Evacuation & Rescue Analysis
- Emergency Systems Survivability Analysis
- Dropped object studies
- Human Factor Engineering
- Emergency Response Assessment
- Alarm management studies
- HSE Management Systems
- Process Safety Management
- Management systems and compliance audits

However, since your situation is unique with your own challenges and circumstances, we are also able to tailor and/or tweak services for specific situations.



## Interested?

If you are interested in our services, please contact:

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Also see our [Oil&Gas page!](#)