



Deep Dive: IoT and Crew Communications with Offshore Energy Producers 2022 Edition





Overview

In a brand new commercial report, Valour Consultancy will explore the evolving business models of maritime oil, gas and energy suppliers, and explore the future development of IoT-related market sectors.

The study will include an in-depth overview of all recent and ongoing regulatory developments, alongside detailed profiles of more than 30 companies.

Section one will cover exploration and development on continental shelves and drilling up to 3,000m deep into the seabed. Exploration in these areas requires exceptional communication throughput with highly mobile vessels covering most of the planet's oceans.

Renewable energy sources are discussed in a further section with detailed description and forecasting for wind, wave, tidal race and tidal range developments.

Key Questions

- How many oil, gas and energy maritime sites were active or installed in 2021?
- What is the current global market value of this sector for connectivity, hardware and other value-added services?
- How big could this market become? How will it progress in the future? What will revenues look like in 10 years' time?
- Which applications and platform types hold the most potential in maritime energy?
- What are the main barriers for the market to develop and what needs to change for companies to overcome these obstacles?
- Where will the maritime energy market be in 10 years?
- Which types of other alternative maritime energy projects will be the most successful and why? (Case Studies Included)
- How are attitudes changes towards alternative maritime energy, and how will this generate more business opportunities?
- How will other sources such as offshore photovoltaic, thermal solar, marine biomass, offshore geothermal etc. develop?
- Which regions or national energy providers will record the biggest growth in deployments and energy outputs?
- How will service and hardware provider revenues grow for functions such as platform installation, inspection and aquaculture?
- Which countries and ruling bodies have altered or created new policies/regulations that will affect the maritime energy market?
- What are the latest regulatory and technical requirements for research and commercial oil, gas and energy platforms?
- How will they change in the future? How will this impact the market?
- How will subscription models extend and develop over the next decade?



Proposed Report Content

It is proposed that the report will be structured as follows

Chapter 1 – Introduction, Scope and Methodology

Contains the report scope and explanations as to what is included and excluded from the research. All definitions used are presented in a clear and concise manner, alongside the exchange rates used in our analysis and the base year and forecast methodologies employed.

Chapter 2 – Technical Overview

Discusses the technical aspects of oil, gas and energy platforms, deep-sea mining, exploration, development, production and services, and provides a comprehensive overview and compendium of the different types of solutions. This includes system and network types, developments in key enabling hardware and relevant standards and regulations. The alternative marine energy market is explored in depth to produce a detailed overview of potential needs and the solutions that will be required to satisfy the changing demands necessitated by environmental concerns. There will be discussion of the role AI and Synthetic Intelligence and how they will modify communication needs.

Chapter 3 – Market Statistics and Trends

Quantifies the number of sites, platforms, vessels, types of applications, solutions and services deployed by vessels out to 2031 with new applications and uses that could influence future take up of IoT technologies supporting this data. Data is segmented by geographic region, energy segments and type of connectivity/solution. Statistics will also show the cost of providing connectivity for the solution, cost savings from various applications and service revenues from offering connectivity to crew. An examination will also be made of key electrical and network components.

Chapter 4 – Competitive Environment

Looks at the competitive environment of those offering dedicated energy services, other digital services and solutions. Assessment of other companies and product developments, key partnerships, business models and strategies as well as a presentation of market shares of technology providers.



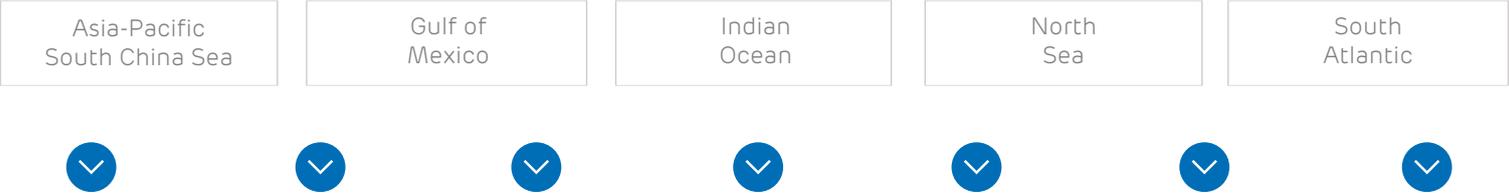


Proposed Scope

The diagram below offers a visual summary of the quantitative analysis included in this report. 10-year forecasts will be provided for all segmentations, from 2022 until 2031, in terms of installed base, annual installations, annual revenues, ASPs and penetration rate.

CONNECTED VESSELS
Subscribers / Revenue (per million USD) /
Average revenue per License or Platform (ARPL)

The Global Installed Base is Segmented into Major Geographic Regions:



Analysis is segmented by types of vessels/platforms



And then split further by connectivity technology type



Market shares are provided for service providers, technology providers and government body initiatives

EXAMPLES OF OPERATIONS AND SYSTEMS INCLUDE...
Automatic Logging; Bilge/Ballast Water Treatment; Collision Avoidance; Crew Communications; Deck Cranes and Lifting; Exhaust Monitoring and Scrubbers; Fresh Water Makers; Hull Corrosion Suppression; Loading and Stability; Oil/Water Separation; Production Data; Refrigeration/Heating Systems; Sea-tight Doors and Hatches; Sewage Treatment; Stress and Strain Monitoring; Tank Level Monitoring; Water State; Weather Data



About Valour Consultancy

Valour Consultancy is a UK-based provider of market intelligence services. Founded in 2012, the company has grown rapidly and is renowned for its comprehensive and high-quality research and consultancy services.

Having firmly established itself in the aviation space, where many companies rely on its expert insight and analysis, Valour Consultancy has successfully expanded into a number of other markets including, maritime, industrial, drones, police and enterprise body-worn cameras, consumer electronics and more.

The company continues to operate in accordance with the three core values it was founded on – Honesty, Trust and Time.

Doing so has enabled Valour Consultancy to deliver detailed and meaningful insight and establish long-lasting relationships in the process.

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- ✓ 40 years combined experience
- ✓ Transparent methodology
- ✓ Ability to influence report content
- ✓ Unrivalled detail and accuracy
- ✓ Constant access to our consultants



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We invite you to enrol in our "participant programme" which ensures targeted, actionable insight by allowing clients to:

- **Modify the report scope** to meet specific market research requirements
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