

Offshore base station energy communication brand





Overview

The integrated private network solution—combining submarine optical cables, microwave links, and 5G technology—was jointly developed by ZTE, Liaoning Telecom, and CNOOC to address communication challenges in sea areas 40 to 300 kilometers offshore. Why do offshore energy companies need custom satellite communications solutions?

Learn more Offshore Energy companies need custom satellite communications solutions that meet the highest levels of network reliability and security for day-to-day business communications and operations. AST Networks tailor make satellite communications solutions to fit as operations expand in scope and duration.

How is technology transforming offshore energy operations?

Technology is transforming offshore energy operations and maximising profitability by driving automation, agility, and strategic decision-making. Our satellite systems provide guaranteed throughput to transfer critical data from offshore oil fields and vessels to operational centres and cloud platforms.

What does Sea Tel 2400 provide for offshore energy platforms?

Sea Tel 2400 is the key to unlocking 24/7 high productivity capacity through intelligent operations for offshore energy platforms, providing them with global high-quality connectivity on their terms.

Why should you choose a satellite system for your offshore connectivity provider?

Our satellite systems provide guaranteed throughput to transfer critical data from offshore oil fields and vessels to operational centres and cloud platforms. Does your offshore connectivity provider offer these four things?



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Offshore Energy , Iridium Satellite Communications

2 days ago · Energy providers cannot afford to lose connectivity with the crews and critical applications working offshore. Iridium serves as an ideal VSAT companion or satellite ...

Energy & Offshore Connectivity Solutions

In the fast-paced world of energy and offshore operations, reliable connectivity is essential for success. At LCS, we provide tailored satellite communication solutions that support the critical ...

Energy Solutions , Secure & Sustainable Offshore Networks

3 days ago · Energy TXO provides secure, resilient telecom solutions for oil & gas, renewables, and carbon capture & storage (CCS). From SCADA network design and offshore connectivity ...

Coverage Enhancement for Offshore Communications: A

Jan 25, 2021 · In offshore maritime communication systems, base stations (BSs) are employed along the coastline to provide high-speed data service for vessels in coastal sea areas. To ...

Offshore Technology, Offshore Two-Way Communication ...

2 days ago · 2-Way communication technology for challenging offshore environments: DMR, TETRA, satellite comms, and more. Fast, reliable, & responsive global service.

Satellite communications services for offshore ...

Dec 3, 2025 · Operational efficiency Offshore Energy companies need custom satellite communications solutions that meet the highest levels of ...

Communications for Oil & Gas , Hitachi Energy

4 days ago · Hitachi Energy's communication networks portfolio connects the operator to the field, enabling the digitalization of the oil and gas field. As a leading supplier of customized, reliable, ...

Offshore Communications - the sky is not the limit

Jun 2, 2011 · A base station set-up in an offshore environment that includes the appropriate equipment to provide real-time audio-visual communication to and from almost any location in ...

Communication Revolution in Blue Oil Fields: ZTE Helps

Jul 29, 2025 · In this network, ZTE tailored its solutions to the specific conditions of different maritime areas. Wireless At the wireless level, to meet the coverage requirements of ...

Offshore Energy

Designed to provide cruise vessels and offshore energy platforms with global high-quality connectivity on their terms, Sea Tel 2400 is the key to unlocking class-leading guest internet ...



Energy-Efficient Resource Optimization for ...

May 5, 2024 · In this paper, a downlink energy efficiency maximization problem is investigated in an intelligent reflective surface (IRS)-assisted ...

Offshore Network Coverage Assessment and ...

Jul 10, 2025 · Infrastructure Scarcity: The absence of optical cables and the difficulty of deploying and powering offshore base stations mean that ...

(PDF) Energy-Efficient Resource Optimization for IRS ...

May 5, 2024 · We consider a non-orthogonal multiple access (NOMA) offshore communication system, where an intelligent reflecting surface (IRS) is deployed to assist the communication ...

Digital Twin Driven Energy Management for Offshore ...

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Communication Revolution in Blue Oil Fields: ZTE Helps

Jul 29, 2025 · These base stations utilize beamforming technology, which adjusts the phase of signals emitted from each antenna to create an electromagnetic wave superposition at the ...

Offshore Oil & Gas Communications Companies

This report lists the top Offshore Oil & Gas Communications companies based on the 2023 & 2024 market share reports. Mordor Intelligence expert advisors conducted extensive research ...

Energy Solutions , Secure & Sustainable Offshore Networks

3 days ago · Energy TXO provides secure, resilient telecom solutions for oil & gas, renewables, and carbon capture & ...



Energy Communication

Communication energy is defined as the energy consumed during the data transfer process between components or nodes within a system, including the energy used by routers, links, ...

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