

New EMS Solution for Communication Sites in the Gulf Region



Article Overview

Inmarsat Maritime and Aramco are trialing a world-first 5G mesh network to enhance high-bandwidth connectivity and operational efficiency for offshore sites in the Arabian Gulf.

Overview of the Solution

Inmarsat Maritime, a Viasat company, has partnered with Aramco to implement a 5G “mesh” network designed for offshore communication in the Gulf region. This solution leverages millimeter Wave (mmWave) technology and a mobile Integrated Access and Backhaul (mIAB) network to provide high-speed, reliable connectivity over water, far exceeding the previous 1 km range limitation of traditional 5G deployments .

Key Features and Capabilities

- **High-Bandwidth Connectivity:** Supports real-time data transfer, enabling remote monitoring, IoT sensor integration, and augmented reality-assisted operations for offshore staff .
- **Extreme Weather Resilience:** Engineered to withstand the Gulf's harsh climate, including extreme heat, sandstorms, high winds, and water evaporation, ensuring consistent performance .
- **Integrated Satellite Coverage:** Ships and offshore platforms can supplement ground-based 5G with Inmarsat Maritime's bonded satellite network, already deployed on over 14,000 vessels worldwide, ensuring continuous connectivity even far from shore...

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Region 6

Region 6 - Alabama Gulf EMS System (AGEMSS) Regional Advisory Council (RAC) Membership State Health Officer

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Overview of AGEMSS The Alabama Gulf Emergency Medical Services System (AGEMSS) is a service unit of the Department of

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Background The Emergency Medical Services (EMS) have been developed in the Arabian Gulf States (AGS) in the

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