

Bestselling energy-efficient communication station model for use in the oil and petrochemical industry



Article Overview

Huijue Group's HJ-SG-R01 series communication container station is a leading energy-efficient solution for oil and petrochemical operations, integrating renewable energy, modular design, and explosion-proof capabilities.

Overview of Huijue HJ-SG-R01 Series

The HJ-SG-R01 series is a large outdoor base station designed for remote and harsh environments such as oilfields, refineries, and petrochemical plants. Key features include:

- **Energy Efficiency:** Integrates photovoltaic panels, wind power, and energy storage batteries to reduce reliance on mains power and optimize energy consumption. The hybrid system supports DC48V output and intelligent remote-controlled switching for efficient power management .
- **Modular Design:** The station includes ODF modules, FSU monitoring modules, and a 6U integrated hybrid power system, allowing flexible deployment and scalability for medium to high-power communication sites .
- **Environmental Resilience:** Constructed with aluminum alloy and FRP materials, the station is lightweight, corrosion-resistant, and suitable for coastal or harsh outdoor conditions. It features IP55 protection and a salt spray resistance of 500 hours .

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Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://e-motional.eu>

Email: info@e-motional.eu

Phone: +49-30-657-8924

Address: Friedrichstraße 101, 10117 Berlin, Germany

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