

# New UAE Access Switch for Railway Communications



## Overview

The service will connect 11 cities across the UAE and is a key component of the Gulf Cooperation Council (GCC) railway network. The contract entails Hitachi Rail installing advanced telecommunication systems, including communication, supervision, and cybersecurity. Hitachi Rail has been selected as the master systems integrator for Etihad Rail's first passenger rail service in the United Arab Emirates (UAE). Under this contract, Hitachi Rail. The UAE railway infrastructure landscape is experiencing a significant transformation driven by strategic government initiatives aimed at diversifying the economy and enhancing regional connectivity. Recent investments in high-speed rail corridors and urban transit systems have catalyzed demand for. As the UAE advances its railway infrastructure, the railway switch market assumes a pivotal role in ensuring smooth and efficient rail operations. Technological advancements in switch systems, such as electronic interlocking and remote monitoring, are crucial in enhancing safety and operational. Westermo provides an extensive range of network devices that can be used to create reliable solutions for many different applications such as Wi-Fi access points, observation and surveillance cameras, multimedia displays, network video recorders, online timetable information, diagnostic data and. The WAGO-I/O-SYSTEM collects the data measured by sensors on the points and provides them to the control center. This allows the smallest deviations to be evaluated directly and repairs to be initiated. MoU also signed between Hitachi Rail.

## Article Content

Hitachi Rail to upgrade of UAE passenger stations

The project is part of the wider Gulf Cooperation Council rail network, which will connect 11 cities in the UAE. Hitachi Rail has been awarded the role of

Hitachi Rail to deploy communication, supervision and cybersecurity ...

Project will reduce commute times compared to other modes of transport between UAE Emirates and key cities. MoU also signed between Hitachi Rail and Etihad Rail for future technical

Hitachi Rail to Provide Communication Systems for Etihad Rail

Benoît Couture, Vice-President of Built-in Communication and Supervision Options (ICS) at Hitachi Rail, mentioned: "Our digital experience will allow us to combine all key telecom and

Ethernet Train Switches | Onboard Rail Solutions □

To meet the growing demand for reliable onboard railway communications networks, Westermo has introduced a new generation of industrial Ethernet switches that

Hitachi Rail to upgrade of UAE passenger stations

Under the contract, Hitachi Rail will install advanced telecommunications systems including communication, monitoring and

Signalling contract awarded for UAE - Oman railway

The Oman - Etihad Rail joint venture awarded the consortium of Siemens Mobility and Hassan Allam Construction the contract to install the

Etihad Rail

Etihad Rail and Oman Rail establish a joint venture to build and operate a railway network linking Sohar Port to the UAE National Rail Network. The joint network

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United Arab Emirates (UAE) Railway Switch Machine Market

The analysis is structured to be adaptable to any United Arab Emirates (UAE) Railway Switch Machine Market while providing actionable, region-specific insights.

COMMUNICATION BASED TRAIN CONTROL: TRANSFORMING MODERN RAILWAY

Urban rail transit, which has witnessed rapid global development in recent years particularly among developed and developing countries alike, is faster, safer, more convenient, and offers large

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To support high speed transmission and new functionalities (group communication, data service, quality of service, direct communication, etc.), various wireless communication technologies are considered

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Etihad Rail: The New Passenger Train Connecting The

Discover Etihad Rail's new UAE passenger train. Learn how the new train network will affect travel to top places to visit in Ras Al Khaimah and beyond.

Etihad Rail Network, United Arab Emirates (UAE)

Etihad Rail is the first national freight and passenger railway network connecting the seven emirates of the UAE. Etihad Rail is a 1,200km railway infrastructure project in the UAE. Credit: Etihad

Railway Systems - Solutions and Products | WAGO UAE

This includes lighting controllers, evaluation systems and low-voltage switchgear that ensure passengers' comfort and safety. In railway stations too, WAGO provides failsafe power supplies and

Etihad Rail: 2026 Construction Update & Route Map

UAE's Etihad Rail network is complete! The 869km railway boosts freight & passenger transport, connecting major cities and promoting economic growth.

United Arab Emirates (UAE) Railway Switch Market (2025-2031)

The UAE ambitious railway expansion plans, including the Etihad Rail project and the Dubai Metro extension, have fueled the demand for high-quality railway switches.

United Arab Emirates (UAE) Railway Switch Machine Market

Overall, the UAE railway switch machine market is positioned for robust growth driven by infrastructure modernization, technological advancements, and strategic investments.

Hafet Rail: What to know about the UAE-Oman train

Discover how the Hafet Rail UAE-Oman train route will cut travel times, boost tourism and transform trade between Abu Dhabi, Al Ain and Sohar.

cci-dg.book

If connected as a hub and spoke, the wayside access switches should connect to the backbone switch using a multilink port-channel for increased throughput and resiliency against a fiber or SFP failure.

Railways | The Official Platform of the UAE Government

Etihad Rail is the national railway of the UAE. It will connect all the seven emirates. The construction of Etihad Rail is aimed at developing quality, reliable, sustainable and resilient infrastructure, including

Hitachi Rail to deploy communication, supervision and cybersecurity ...

Hitachi Rail has been awarded the role of master systems integrator for the Etihad Rail Passenger Stations project. The project marks the UAE's first-ever...

UAE's Rail Revolution: Hitachi's Smart Rail System

This analysis will delve into the technical complexities of the project, its contribution to the UAE's sustainability goals, and the long-term implications

Railway Operations Communications Solution | Huawei Enterprise

Huawei meets extensive end-to-end rail communications specifications while anticipating future railway requirements. Huawei Railway Operations Communications Solution includes GSM-R wireless and

Etihad Rail passenger train service in 2026: Free WiFi,

The UAE's national railway project, Etihad Rail, is set to launch its passenger train service in 2026, marking a significant milestone in the country's

Hitachi Rail to integrate systems for UAE's first passenger rail

The service will connect 11 cities across the UAE and is a key component of the Gulf Cooperation Council (GCC) railway network. The contract entails Hitachi Rail installing advanced

Securing the Future of Railway Systems: A

The growing prevalence of cybersecurity threats is a significant concern for railway systems, which rely on an extensive network of onboard and

Etihad Rail: UAE on cusp of new era with launch of

Nearly 20 years after Etihad Rail was established, 2026 promises to be a pivotal year for the UAE's railways. The country is on the brink of a transport

A new platform for rail communications - adopting 5G for railways

A new platform for rail communications – adopting 5G for railways White paper 5G offers a major opportunity for rail operators to transform their operations for the better.

## Contact Us

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