



RELIANCE REFINERY DEPLOYS TETRA

A MEGA TETRA SOLUTION FOR A MEGA PETROCHEMICAL REFINERY COMPLEX



THE BACKGROUND

Jewel of India's Business Community

Reliance Industries Limited operates one of India's most ambitious and complicated engineering endeavors, its refinery complex in Jamnagar.

Situated on the northwest coast of India, the integrated refinery complex is located at Motikhavdi, Lalpur Taluka, Jamnagar District, in the state of Gujarat. The expanded facility is the world's largest grassroots refinery, equipped to refine various types of crude oil and manufactures various grades of fuel from motor gasoline to Aviation Turbine Fuel (ATF).

CUSTOMER PROFILE

Company

- Reliance Industries Limited

Industry

- Oil & Gas

Solution

- Motorola Dimetra™ IP TETRA System
- 3 units of MTS 4 Base Stations
- 1,200 units of Motorola ATEX-certified MTP750FM, MTP850Ex and MTM800E radios

THE CHALLENGE

In 2008, Motorola was tasked by Reliance Industries to recommend a comprehensive state-of-the-art radio communications network for its newly expanded site at the JERP refinery complex, for its every day mission critical use.

Over the next year, careful steps were taken to scope and detail the requirements of the TETRA network architecture and coverage so as to sufficiently address the various business and operational needs of a digital trunking communications within the refinery.

Heart of the Network

At the heart of the network, a scalable Mobile Switching Office (MSO), otherwise known as Scalable Dimetra™ IP, was responsible for supporting dispatch and call processing, packet data, network and alarm management, and remote access. The control contains all the hardware tools and software applications necessary to carry out all these functions in a single unit, with minimal footprint.

Coupled with three MTS 4 base stations, the MSO manages all the communications requirements of various handheld devices, which include 1,200 units of Motorola's ATEX-certified MTP750FM, MTP850Ex and MTM800E radios. The MSO and additional base stations ensured in-building coverage for JERP's control room, the nerve center of the refinery's daily operations

THE BENEFITS

Above and Beyond

Beyond the network equipment, the local Motorola team provided further onsite support and services, which included the interconnection of the PABX systems, Conventional Patching and Short Data Services. The value added services ensured the integrated communications network operated smoothly and seamlessly across all the users who relied on it to operate the refinery to the highest standards of efficiency, productivity and most importantly, safety.

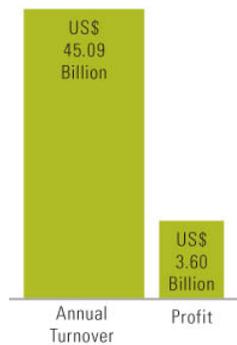
“Motorola has successfully provided a comprehensive, end-to-end TETRA solution for our refinery complex and were able to supply a compelling solution and offered an attractive value proposition for our communications needs.”

Rajbushan Manoharan, Vice President
Reliance Industries

As JERP continues to enjoy the robust communications network and higher level of efficiency at his plants since the TETRA installation, plans are already underway to further expand the system to other sites and the older sections of the mega Jamnagar refinery complex in the future.

MARCH 2010

Fiscal Year



With an annual turnover of US\$45.09 billion and profit of US\$3.6 billion for the fiscal year ending in March 2010, Reliance Industries Limited is one of India's largest private sector companies amongst the Fortune Global 500.

For more information on Motorola Solution please visit us at: www.motorolasolutions.com

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