

Solution: Anybus X-gateway –  
PROFIBUS Master – Modbus TCP  
Server

Country: India

Company : : Hindustan Petroleum  
Corporation Limited (HPCL)

HPCL's partner: UL Group



### Benefits:

- Real-time communication between Modbus TCP/IP and PROFIBUS networks
- Minimal downtime during the integration process
- Improved operational efficiency

### Bridging the Gap

Learn how Hindustan Petroleum Corporation Limited (HPCL) used the HMS' Anybus Gateway to overcome connectivity challenges and improve operational efficiency.

Hindustan Petroleum Corporation Limited (HPCL) operates one of India's largest and most sophisticated refineries in Visakhapatnam (Vizag). To maintain high operational standards, efficient and reliable communication between various control systems is essential. HPCL needed to integrate its Substation Automation System (SAS) with Siemens Siemocode systems, which required bridging different communication protocols.

#### Connectivity challenges

HPCL faced significant challenges in their integration project, including:

- Bridging the communication gap between the SAS using Modbus TCP/IP protocol and the Siemens Siemocode systems operating on the PROFIBUS protocol.
- Achieving seamless and real-time communication between these disparate systems.
- Minimizing operational downtime during the integration process.
- Ensuring enhanced system monitoring and overall operational efficiency.

