THE INDUSTRIAL INTERNET OF THINGS FROM MOTOROLA SOLUTIONS



THERE IS EXPECTED TO BE 75 BILLION CONNECTED DEVICES BY 2025 WHICH WILL GENERATE A MASSIVE AMOUNT OF DATA EQUIVALENT TO 44 ZETTABYTES²

THIS UNPRECEDENTED AMOUNT OF GENERATED **DATA WILL NEED TO BE:**





TRANSMITTED





CONNECTIVITY HUB

Connect all of your remote sensors and actuators to the expansive communication capabilities of the ACE family of SCADA remote terminal units and intelligent radio modems. Seamlessly connect work-flows, people, and processes to real-time information for complete process automation and remote monitoring capabilities.



ACE3600 RTU Operations-Critical SCADA Solution



SCADA Simplified



M2M data transmission across MOTOTRBO



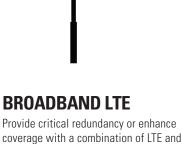
M2M data transmission across ASTRO 25

Extend the capabilities of your reliable two-way radio voice network to include

TRANSMITTED

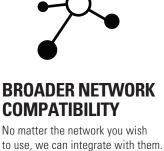
data communication for process automation and monitoring with the connectivity hub. Eliminate recurring commercial network charges and minimize expensive hard-wiring, giving you a cost effective approach to improve your operational efficiency for increased productivity and safety.





data needs

two-way radio systems to meet all your



From mesh to Wi-Fi to Bluetooth, ZigBee, Ethernet etc.

SECURITY



system servers, communication networks

and the outside word.



enhance protection.

FURTHER SAFEGUARD YOUR INDUSTRIAL INTERNET OF THINGS Rely on our expertise to help ensure protection of your entire operations from devices in the field to the servers in the control room – and the networks that connect them all together.



Cybersecurity Professional Services:

Pretested anti-malware definitions and Leverage our team of experienced security A comprehensive process for identifying, professionals remotely monitor your system applicable security patches for your assessing and managing cybersecurity ASTRO 25 system ensures operations are from our Security Operations Center (SOC) for risk throughout your systems. potential intrusions and detecting malicious not disrupted when updates are installed onto your system. outbreaks from external and internal vectors.

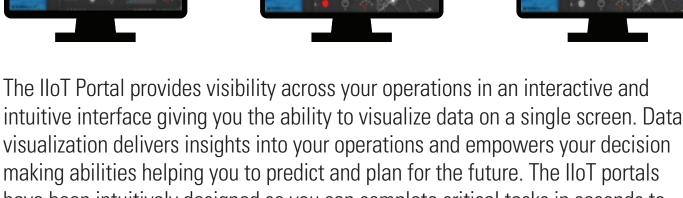
Security Monitoring:

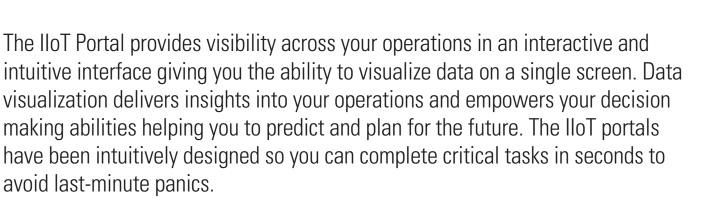
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Security Update Server (SUS):



avoid last-minute panics.





VERTICAL AREAS OF EXPERTISE

WATER AND

Water Quality

Monitoring

Dynamic Pressure

WASTEWATER

SOLUTION • Imminent Flood Warning · Perimeter Monitoring • Remote Control Water and Control Equipment • Early Local Warnings • Gate Control Reservoir Monitoring

(Internal and External)

SMART

SECURITY



Automated Public

Announcements

MASS NOTIFICATION

AND SMART SIREN

And Many More...

Automatic Dispatch

Rescue Teams

- **WHO CAN HELP YOU?**
- Emergency Buttons • Noise Control • And Many More...

• Entrance Control

Control Power Consumption Reduction Pump Efficiency Monitoring Water Leak Detection Trending & Analysis

• And Many More...

- System Restoration Remote Control of Capacitor Banks Power Quality Monitorina Switches

ELECTRIC

UTILITIES

Relays

• Circuit Breaker

· Fault Isolation and

Reclosers

• Substation Protection

- Remote Control Line

• Fault Passage Sensing

• And Many More...



OIL AND GAS

• Onshore and Offshore

Production Fields

Metering at Remote

Distribution Stations

Gathering and

UTILITIES

The Industrial Internet of Things from Motorola Solutions will help operations around the world drive more efficient production and provide greater operational

reliability. We help advance safer and more productive workflows to help you achieve greater supply reliability, safeguard quality, drive intelligent production, and defend against evolving cyber attacks. Our extensive partner ecosystem includes those certified to develop, integrate and deploy Industrial IoT solutions. For more Information please visit www.motorolasolutions.com/industrialiot

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1. IHS Technology White Paper IoT Platforms: Enabling the Internet of Things 2. IDC Report on Growth of Digital Data



MOTOROLA SOLUTIONS

