DIGI

INDUSTRIAL SOLUTIONS

In many ways, machine-to-machine communications was born on the factory floor.

Process control. Manufacturing automation. Robotics. And more beyond factories like tank farms and agriculture. They're all environments that require precision and efficiency – delivered by Digi IoT connectivity.

MAXIMIZE ROI

Gathering real-time data through Digi M2M devices can drive the analytics that help you lower costs and improve efficiency.

OVERSEE QUALITY

Constant production line monitoring helps you correct product quality problems, and predict equipment maintenance issues.

OPTIMIZE PERFORMANCE

Real-time sensor data collected while running expensive heavy machinery helps maximize uptime and minimize maintenance costs.

ENSURE SAFETY

Wirelessly networked sensors can quickly alert you to leaks and other hazardous situations, lowering the risk of injury and environmental damage.

INDUSTRIES

PRECISION AGRICULTURE

MANUFACTURING AUTOMATION

For more information, contact your Digi Sales Representative

DIGI

PRECISION AGRICULTURE

Digi's precision agriculture solutions deliver the mission critical wireless M2M communication networks tailored to the needs of industrial agriculture. Designed to streamline workflow efficiency and increase productivity through the use of wireless technology, these automated applications are indicative of the present and the future of precision agriculture. Increase productivity through real-time management with sensors and data across all of your assets wherever they are.

GAIN REAL-TIME DIAGNOSTICS
Maximize uptime and minimize the overall lifecycle cost of high-value assets through real-time collection and monitoring of equipment data.
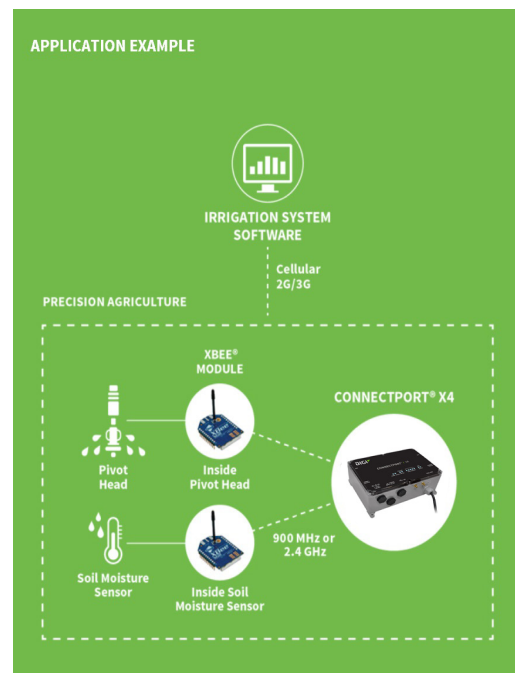
OPTIMIZE SAFETY & SECURITY
Monitor asset location and utilization worldwide.

LOWER OPERATIONAL COSTS
Increase your telematics penetration through a low-cost solution that installs in minutes.

ACCELERATE TIME TO MARKET
Bring new solutions to market faster at low cost, increasing market penetration.

APPLICATION EXAMPLE

IRRIGATION SYSTEM SOFTWARE

Cellular 2G/3G

PRECISION AGRICULTURE

XBEE® MODULE

CONNECTPORT® X4

Pivot Head

Inside Pivot Head

900 MHz or 2.4 GHz

Soil Moisture Sensor

Inside Soil Moisture Sensor

RF, ARM AND CELLULAR SOLUTIONS FOR AGRICULTURE MACHINERY, PIVOT HEAD AND OTHER WATER/FUEL CONSERVATION SYSTEMS
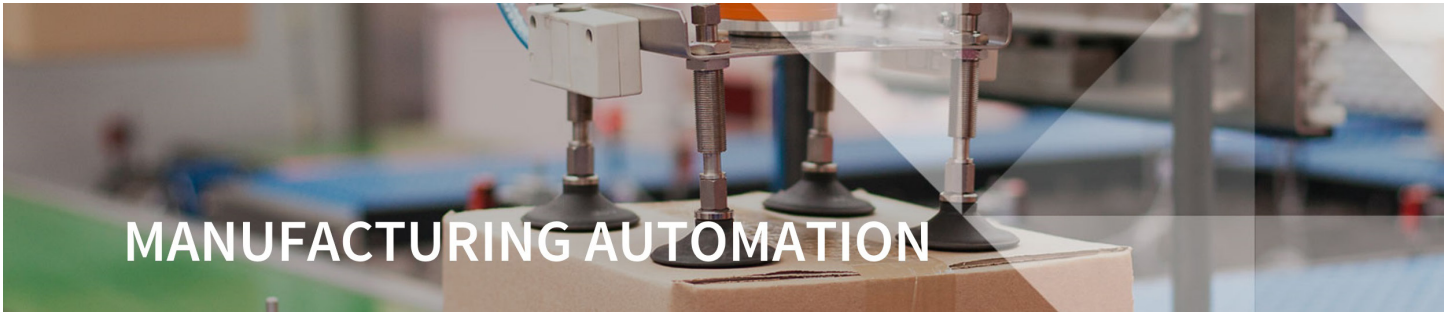

Digi ConnectPort® X4-H Family
Rugged IOT Cellular Gateways designed for commercial grade and outdoor applications. For use with Digi XBee 900MHz and 2.4GHz.

Digi WR21
High speed LTE Advanced and Wi-Fi router

Digi Remote Manager®
Comprehensive IoT Device Management Application for Secure Asset Monitoring and Control
30-Day Free Trial: https://myaccount.digi.com/

For more Precision Agriculture Solutions, visit www.digi.com.

MANUFACTURING AUTOMATION

Digi offers global wireless connectivity for mission critical applications, with cloud-based software solutions for customers from all industries. Manufacturers are adding wireless connectivity to their products or production line to improve the manufacturing process. With integrated connectivity, manufacturers are better able to get information from the factory floor to cetralized cloud management systems to quickly uncover and address any issues long before the product leaves the factory. Manufacturers also want to use connectivity to gather information about equipment in the field. This information helps them find bugs and monitor equipment, and also allows for software and firmware updates over-the-air reducing maintenance costs and increasing productivity.

GAIN REAL-TIME DIAGNOSTICS
Limit down-time through real-time collection and monitoring of data.
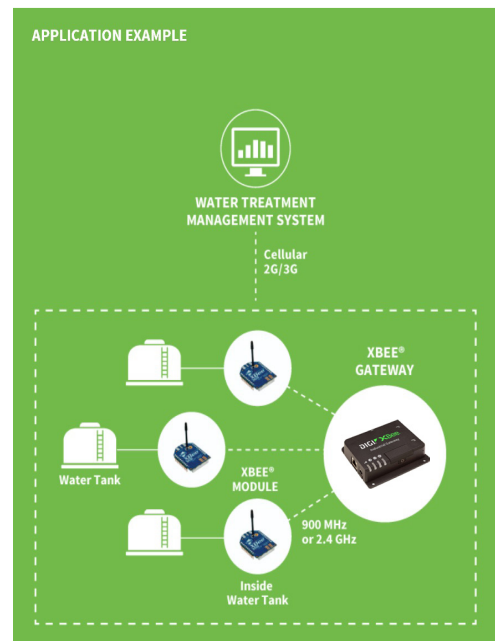
LOWER INSTALLATION COSTS
Eliminate unnecessary wiring and infrastructure costs and lower installation times dramatically.

INCREASE WORKER SAFETY
Increase worker safety and lower insurance rates by using wireless systems and sensors in dangerous work environments.

REDUCE MAINTENANCE COSTS
Limit the amount of unscheduled, on-site maintenance through remote asset visibility.

APPLICATION EXAMPLE

WATER TREATMENT
MANAGEMENT SYSTEM

Cellular
2G/3G

XBEE®
GATEWAY

Water Tank

XBEE®
MODULE

900 MHz
or 2.4 GHz

Inside
Water Tank

RELIABLE WIRED AND WIRELESS SOLUTIONS FOR MANUFACTURING LINE AND PROCESS AUTOMATION SYSTEMS

Digi XBee® Industrial Gateway
Programmable gateway connects Digi XBee enabled devices to remote applications over Cellular or Ethernet

Digi® LR54 Routers
High speed LTE Advanced and Wi-Fi router.

Digi® WR11 Routers
3G/4G/LTE enterprise class cellular routers

For more Manufacturing Automation Solutions, visit www.digi.com.