

# DRIVING PRODUCTIVITY AND SAFETY WITH THE INDUSTRIAL INTERNET OF THINGS

**\$20.5 BILLION**

in electricity is lost in transmission and distribution in the US<sup>2</sup>

**34%**

Average amount of water lost in transmission and distribution worldwide<sup>1</sup>

**2011**

National Transportation Safety Board recommends that the Pipeline and Hazardous Materials Safety Administration require all operators of transmission and distribution natural gas pipelines to equip their pipeline monitoring systems with tools to assist in recognizing and pinpointing the location of leaks.<sup>3</sup>

**82%**

of manufacturers who have implemented "smart" manufacturing technologies have seen an increase in efficiency<sup>4</sup>

**49%**

reported fewer product defects<sup>4</sup>

**45%**

reported increased customer satisfaction<sup>4</sup>

The Industrial Internet of Things (Industrial IoT) has the potential for<sup>5</sup>...

**12%**

savings on scheduled repairs

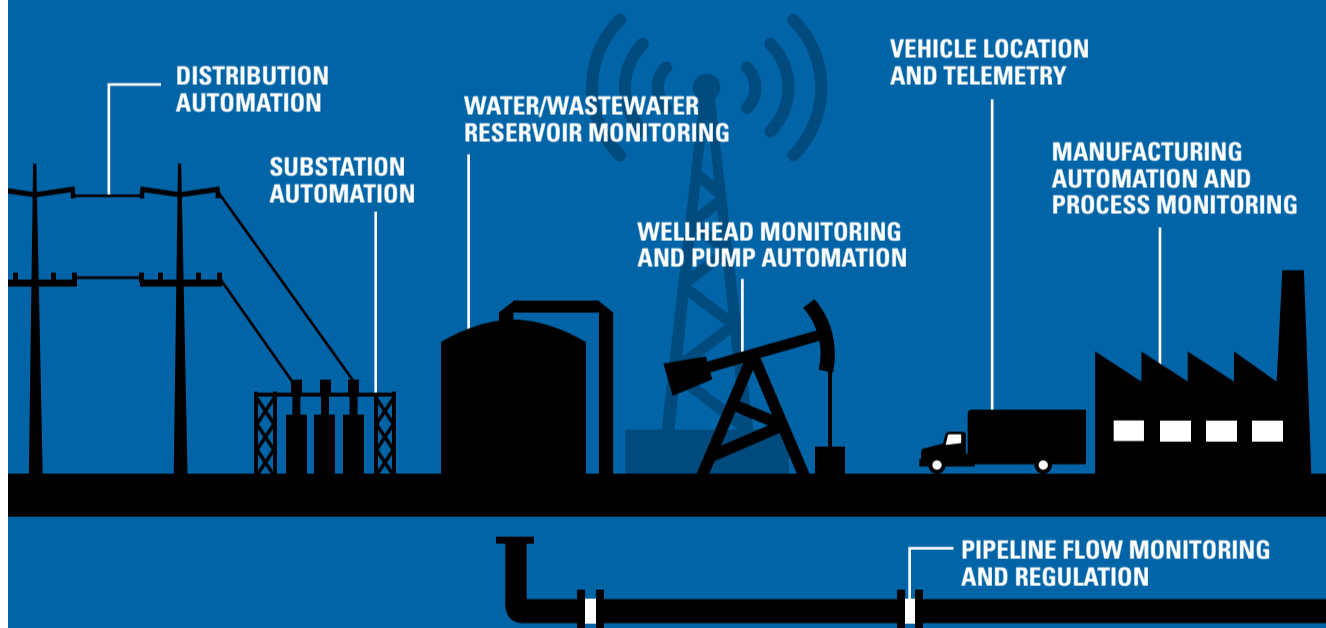
**30%**

reduction in overall maintenance costs

**70%**

reduction in breakdowns

## INDUSTRIAL IoT



**GIVE YOUR ORGANIZATION THE POWER TO BE MORE PRODUCTIVE AND THE INSIGHT TO INCREASE WORKER AND COMMUNITY SAFETY**

### SCADA

Our remote terminal units (RTUs) are made to help you keep your teams out of harm's way, reduce downtime and optimize operational efficiencies – maximizing the safety, productivity, and profitability of your organization. With versatile communication network interconnectivity and support for a variety of data protocols, we ensure the most flexible, encompassing process automation and data communication.

### MACHINE-TO-MACHINE (M2M)

Connect to and communicate with operational technologies across your organization to enhance your operational view and control. You can send and receive process automation commands to programmable logic controllers (PLCs), monitor sensor data from a centralized control room and collect valuable information to better understand how your assets are performing.

### NETWORK OF NETWORKS

Your Motorola digital two-way radio system, LTE Broadband network or a combination of both are cornerstone technologies in keeping your operations connected. Extend the capabilities of these technologies to include data communication for process automation and monitoring with SCADA and M2M devices. Our IP based networks make it easy to combine any number of systems, networks, devices and apps into a unified infrastructure so you get the most out of your new or existing technologies.

### PARTNER SOLUTIONS

Take advantage of an extensive partner ecosystem dedicated to providing and integrating end-to-end Industrial IoT solutions. Harness the expertise of our partners to meet your needs, from sensors at the edge to application interfaces that deliver intelligence to your control room, and everywhere in between.

<sup>1</sup> National Statistic Yearbook Report 2010; World Bank Development Indicators 2010; McKinsey Global Institute Analysis

<sup>2</sup> US Energy Information Administration US Electricity Profile, 2013

<sup>3</sup> National Transportation Safety Board and Department of Transportation, Pipeline and Hazardous Materials Safety Administration. "Recommendation P-11-10." 2011.

<sup>4</sup> ASQ's 2014 Manufacturing Outlook Survey

<sup>5</sup> [https://www.accenture.com/tw-en/\\_acnmedia/Accenture/next-gen/reassembling-industry/pdf/Accenture-Industrial-Internet-Changing-Competitive-Landscape-Industries.pdf](https://www.accenture.com/tw-en/_acnmedia/Accenture/next-gen/reassembling-industry/pdf/Accenture-Industrial-Internet-Changing-Competitive-Landscape-Industries.pdf)

**Learn how we can help you drive productivity and increase safety at [motorolasolutions.com/IndustrialIoT](http://motorolasolutions.com/IndustrialIoT)**