

Mazik & IoT: Driving Value for Manufacturing and Healthcare

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Value Beyond Hype

Undeniably, the **Internet of Things (IoT)** is the latest concept revolutionizing business technology. Manufacturers are told they need sensors, hubs, and smart gateways to monitor operations. Distributors are advised to optimize their supply chains through automation. Healthcare providers are told RFID tagging and scanning technology will improve their organization's accountability and transparency.

But is IoT just another buzzword with a lot of hype and no concrete impact? Will this just generate additional data and provide no real actionable insights?

Or can IoT truly revolutionize business?

Know the Facts:

According to a 2015 McKinsey Global Institute Report:

- In healthcare alone, IoT has the potential to cut costs by as much as 50% in chronic disease management, equaling to a gain of \$1.1 trillion per year in 2025¹

According to Gartner, by 2020:

- More than half of major new business processes and systems will incorporate some element, large or small, of the IoT²
- There will be 25 billion connected IoT devices with a compound annual growth rate of 35%³



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IoT is here to stay and its potential can be actualized when paired with **the right technology partner.**

Mazik Global, a Microsoft Gold Partner and key development partner in Azure cloud solutions, has gone beyond the IOT hype to deliver measureable business value for organizations looking to tighten operations and revolutionize their business processes.

MazikThings is a secure, scalable, and cost-effective solution built on trusted Microsoft technology to solve your organization's need to securely manage, monitor, and track operations.

The goal of **MazikThings** is not to simply update existing processes with an IoT-flavored solution, but to revolutionize your business through real-time access to data and advanced Microsoft stream analytic tools to drive decision-making.

MazikThings is your software and hardware solution, built on **ONE MICROSOFT STORY**, to integrate seamlessly with your existing systems and make an immediate impact on the bottom line.

¹ McKinsey Global Institute, Unlocking the Potential of the Internet of Things, June 2015.

² Gartner, Why the Internet of Things Will Dwarf Social (Big Data), 05 February 2016.

³ Gartner, Best Practices in Exploring and Understanding the Full Scope of IoT Solutions, 26 March 2015.



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Mazik takes a smart approach at delivering your IoT solution.

Learn how Mazik has helped some of its biggest partners in industry.

SCENARIO 1: REMOTE MONITORING, TRACKING, AND MORE FOR THE OIL & GAS INDUSTRY

A major Oil & Gas company needed to effectively monitor an extensive network of wells and pipelines deployed over vast stretches of land spanning both urban and remote areas. This company had no way to remotely monitor and track readings from sites and transmission hubs in real-time, resulting in lost productivity, excessive downtime, and outrageously high costs. **MazikGlobal** implemented an automated solar-powered Internet of Things (IoT) solution for reliable data acquisition, dependable connectivity, and real-time access to supply and consumption data.

The company now saves time and money through automation and enjoys uninterrupted, reliable wireless cellular connectivity for critical data transfer, as well as easy configuration and deployment and comprehensive remote management to ensure system uptime.

SCENARIO 2: IMPROVING OPERATIONAL EFFICIENCY FOR EQUIPMENT MANUFACTURERS

A major road construction equipment manufacturer was looking to innovate by adopting IoT business differentiators to meet and exceed rigorous customer satisfaction demands. The **MazikThings solution** drew on real-time data generated by the manufacturer's machines to facilitate on-the-spot, intelligent production decision-making.

The manufacturer now achieves true visibility of equipment status and real-time insight for production forecast, decreasing lead time from 3 weeks to 7 days, and eliminating customer downtime completely. Azure stream analytics and anomaly detection mean machines can now receive signals to shut themselves down or take appropriate action to minimize loss.

SCENARIO 3: PREDICTIVE ANALYTICS FOR ELECTRIC MOTOR MANUFACTURERS

A very large manufacturer of electric motors, machinery, and components was using vibration, heat, and other indicators to analyze the condition of motors and their impact on production and other scenarios. However, this manufacturer needed to better serve their customers by providing actionable insights for predictive maintenance and supply chain planning.

Mazik's complete "Sense to Perform" technology was able to push heat and vibration signals into the Cloud, automatically providing predictive analysis and preventive maintenance on all equipment. This brings impactful automation to the supply chain by enabling complete, real-time usage of data for any piece of equipment. The manufacturer and their customers now have a perfect **360° view** into production, usage, and insights for engineering design. This translates to improved product quality, more efficient inventory management, reduced lead time, and more accurate forecasting.

Bring new levels of operational efficiency to your business now by enabling your machines to make decisions automatically based on the most up-to-date information. Businesses can succeed now and in the future by making their devices more intelligent and more powerful with **MazikThings**.

Building on the trusted **ONE MICROSOFT STORY**, MazikThings is the solution that connects devices to hubs, performance to value, and your business to your customer. Succeed today and tomorrow with **MazikThings**.

Learn more at:
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