

# EXPERIENCE

Empower Your Workforce with Contextualized Data that Enhances Knowledgeability, Productivity, and Efficiency



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DOKLENI BIEGA  
LUBIENSKIE WIEZIE  
PL. J. ESTERKI 27/730004  
KUCH. ESTERKI 123371 #302



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Industrial IoT (IIoT) has the potential to completely transform businesses - to create new opportunities, inform critical business decisions, and improve how people work. The extent to which any industrial enterprise realizes the positive impacts of digital transformation is largely determined by how effectively IIoT data is captured and translated into meaningful, actionable insight.

ThingWorx collects data from connected devices and combines it with data from other related sources, including enterprise systems. By creating a more holistic view of IoT-related data, ThingWorx ensures the availability, consistency, and accuracy of data used by the workforce in day-to-day operations and decision-making.

The combined data is contextualized and shared in a number of ways to deliver maximum impact throughout the organization.

Customizable, dynamic, visual presentations made available in ThingWorx applications engage users in a smart, connected environment, allowing them to be more responsive, productive, and adaptable. Data is shared with integrated third-party applications and technology solutions to share insights and enhance collaboration across business functions and geographies.



### ThingWorx Makes It Possible to:

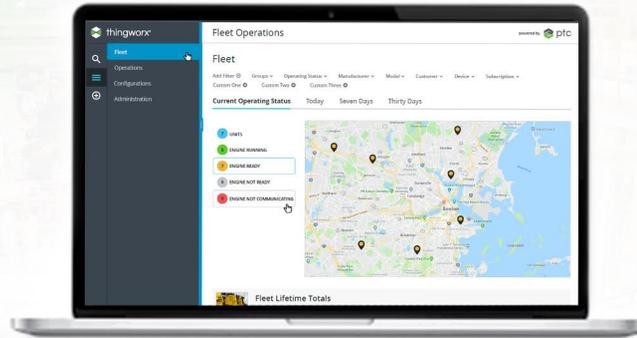
- Enhance visibility, productivity, and performance using comprehensive IIoT data and information
- Increase the impact of information by integrating IIoT data with enterprise system and application data to create a more holistic view
- Create immersive AR experiences with IIoT data that enhance collaborative work, remote and field operations, work instructions, and more.
- Contextualize and visualize data insights through dynamic dashboards optimized for web, mobile or AR experiences for maximum impact

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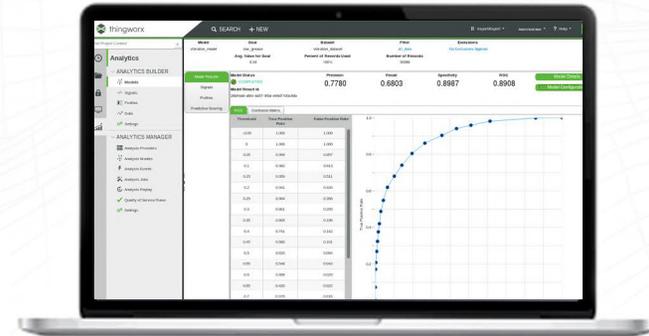
## Compelling Visual Experiences

Raw data is translated into compelling visualizations that are easy to digest, assess, and share – enabling more effective collaboration and swifter, more knowledgeable decision-making. An intuitive design allows power users to easily build dashboards with customized views of connected devices, system status, and alerts. Information is made available to the targeted audience via dynamic user interfaces for desktop, web, and mobile applications that foster enhanced user engagement.



## Real-Time Data Insights

ThingWorx integrates data from sensors, applications, and third-party enterprise systems to deliver more complete, contextualized information. By monitoring connected systems and devices, ThingWorx allows users to engage with IoT data in real time. Users access, view, and share data to assess system status, detect anomalies in data, and provide effective guidance to remote or field service employees.



## Seamless Integration with Vuforia

ThingWorx and Vuforia come together to connect physical and digital workspaces with augmented reality (AR) content contextualized for industrial IIoT. Integration with Vuforia Studio allows users to create powerful, immersive AR experiences from IIoT data in a visual authoring environment. Experiences are accessed easily across the organization on mobile or wearable devices, enabling meaningful 3D interactions with facilities, processes and equipment.





## ThingWorx Applications

ThingWorx provides a selection of role-based, starter IIoT applications that are web-enabled and accessible in any browser, enabling users to view, understand, and act on IIoT data in real time.

### ThingWorx Asset Advisor

Real-time visibility into asset status and health, enabling users to detect anomalies before production or processes are impacted

### ThingWorx Controls Advisor

Seamless connectivity to PLCs and assets through OPC servers, enabling users to monitor and troubleshoot machine connectivity in real-time

### ThingWorx Navigate Contribute

Broad range of cross-functional users participate in a digital change management workflow, improving the quality of change requests and development with reusable components

### ThingWorx Navigate View

Immediate access to accurate, up to date product information for engineers to perform their jobs and keep stakeholders aligned

### ThingWorx Operator Advisor

A single interface for work order, work instruction, machine, and smart tool data, enabling users to be more productive by eliminating the needs to interact with multiple systems

### ThingWorx Production KPIs

Real-time visibility into production status and critical KPIs such as availability, performance, quality, and OEE



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