Jacobs ion Platform

We deliver, extend, and manage the Industrial Internet of Things with an open, intelligent, industrial application platform – the ION Platform.

The ION Platform includes multiple industrial applications that address all of your critical safety, security, compliance and performance needs for Analytics, Condition Monitoring, Asset & Personnel Location, Video and Workforce Mobility.

Did You Know? ION is a mature open architecture platform and has been successfully delivering advanced digital solutions in industrial facilities since 2009.

ION Architecture

- Devices
  - Industrial Wireline
    - Wireless: 802.11, RFID, Gen2, ISO7816, 1 GHz
    - Wireless WAN: Microwave, WiMax, GPRS, 4G LTE

- ION Intelligent Operations Network
  - Security
  - Prediction
  - Streaming
  - Historian
  - Monitoring
  - Alerting
  - Reporting
  - Scripting
  - Visualization

- ION Analytic Engine
  - Prediction
  - Alerting
  - Reporting
  - Scripting

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Jacobs Connected Enterprise

Connect, Protect, and Analyze Your Business

Petroleum & Chemicals
Why It’s Important

In an increasingly digitalized world, industrial systems that were once analog, manual, and isolated are now digital, smart, and connected. Cars, factories, ports, refineries, roads, office buildings, and even entire cities are already communicating together in ways that fundamentally change how people and systems interact. This evolution continues to rapidly impact our world.

Today, businesses across a broad range of industries and geographies have an opportunity to leverage the power of digitization to revolutionize their operations and realize a vision of a connected enterprise.

Your competitors and your customers are investing to digitize their businesses. Your market is changing and we want to work with you to build your strategic advantage and disrupt your competition.

Why Jacobs

The core components of our Jacobs Connected Enterprise framework connect, collect, protect, and analyze operational systems and data. Our solutions integrate systems to achieve automation and data acquisition objectives. We protect and secure your data leveraging our National Security grade cybersecurity services, and analyze your data to deliver business insights and enable systems integration and control.

Our JCE Center of Excellence draws from experts with skills in software development, network engineering, cloud, data science and analytics, industrial control systems, and cybersecurity. Our petroleum and chemicals domain and technical expertise provides exceptional value, as we deliver innovative tailored solutions to meet the unique global challenges in your markets.

Additionally, direct reseller agreements with our vendor partner ecosystem enable us to offer competitive pricing for hardware and software, as well as take advantage of our vendors’ expertise in system design and implementation.

Application of Domain Expertise and Business Solutions

**Physical & Cyber World Interface**

**IT Infrastructure & Networks**

**Data Analytics**

**Cybersecurity and Resiliency**

**Cloud Solutions**

**Business Benefits**

- Improved safety
- Superior reliability
- Shorter turnarounds
- Reduced CapEx and OpEx
- Cutting-edge cybersecurity
- Improved contractor productivity
- Higher quality deliverables
- Leaner operation
- Reduced waste/loss

Profitability Focused Solutions

We provide you actionable data, enabling better decisions to transform your business.

We have the technology, infrastructure and applications available today allowing you to focus on running your business.