

UNIDIRECTIONAL CLOUDCONNECT

**SECURELY ENABLING
THE INDUSTRIAL CLOUD**

MAIN FEATURES



INDUSTRIAL CONNECTIVITY

Enables IT and outsourced SIEM, SOC, NOC & security monitoring solutions



SAFE OT/CLOUD INTEGRATION

Physically prevents Cloud/Internet-based attacks from infecting the protected network



SEAMLESS INTEROPERABILITY

Supports 100+ industrial protocols & applications; from legacy systems to cloud-based platforms



INDUSTRIAL CLOUD

Enables big-data, cross-site, and cross-application analysis and correlations

HOW TO REAP THE BENEFITS OF THE IIoT WHILE ELIMINATING RISKS OF CYBERATTACK?

The IIoT promises revolutionary efficiencies of industrial operations, however these benefits require deployment of a multitude of connected devices that gather and communicate data: increasing the cyber attack surface and opening paths for attackers to enter industrial networks. Collecting data from different devices and re-coding that data to cloud-friendly formats demands innovative technologies and approaches.

By providing hardware-enforced network protection, Waterfall's Unidirectional CloudConnect enables data flow from industrial networks, directly into Internet-based and other cloud solutions, while preventing remote attacks from penetrating the protected industrial networks.

PROTECTING INDUSTRIAL SITES WORLDWIDE SINCE 2007



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

1 COLLECT

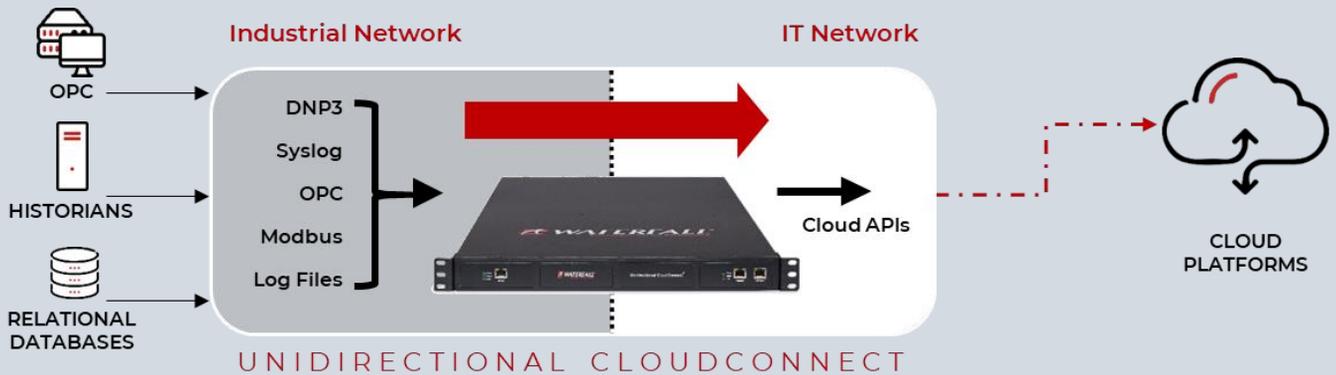
data from industrial sources

2 CONVERT

data into unified cloud-friendly format

3 PUBLISH

safely to cloud platforms



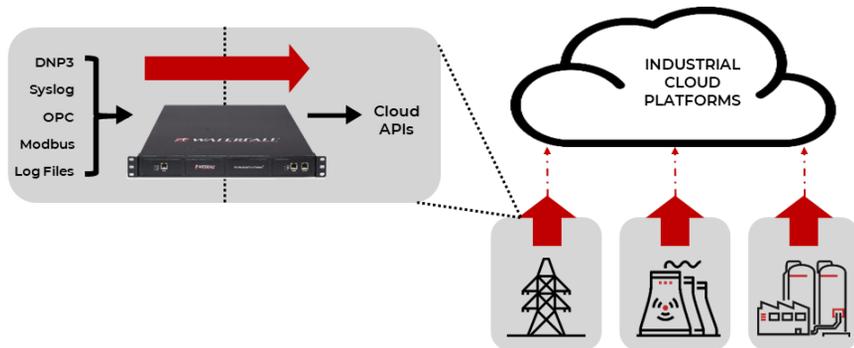
Collects data from industrial sources such as historians, industrial control systems, OPC servers and industrial devices.

Transmits the unified data securely out of the site and **publishes** into the industrial cloud.

Converts that data into a unified, cloud-friendly format, such as GE WebSockets, Azure IoT and SOAP Web Services.

Unidirectional Gateway technology ensures seamless **connectivity** with both industrial and cloud systems, and provides absolute protection from cloud-based threats.

The Unidirectional Cloud-Connect is a secure cloud gateway containing unidirectional technology consisting of both hardware and software components. The gateway hardware can transmit information from a control system network to an external network, but is physically incapable of propagating any cyber attack at all back into the protected network.



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ABOUT WATERFALL SECURITY

Waterfall Security Solutions is the global leader in industrial cybersecurity technology. The company's expanding portfolio of customers includes national infrastructures, power plants, nuclear plants, offshore oil and gas facilities, rail transport, refineries, manufacturing plants, utility companies, and many more. Deployed throughout North America, Europe, the Middle East and Asia, Waterfall products support the widest range of leading industrial remote monitoring platforms, applications, databases and protocols in the market. Please contact: info@waterfall-security.com

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