WATERFALL®
Stronger Than Firewalls

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
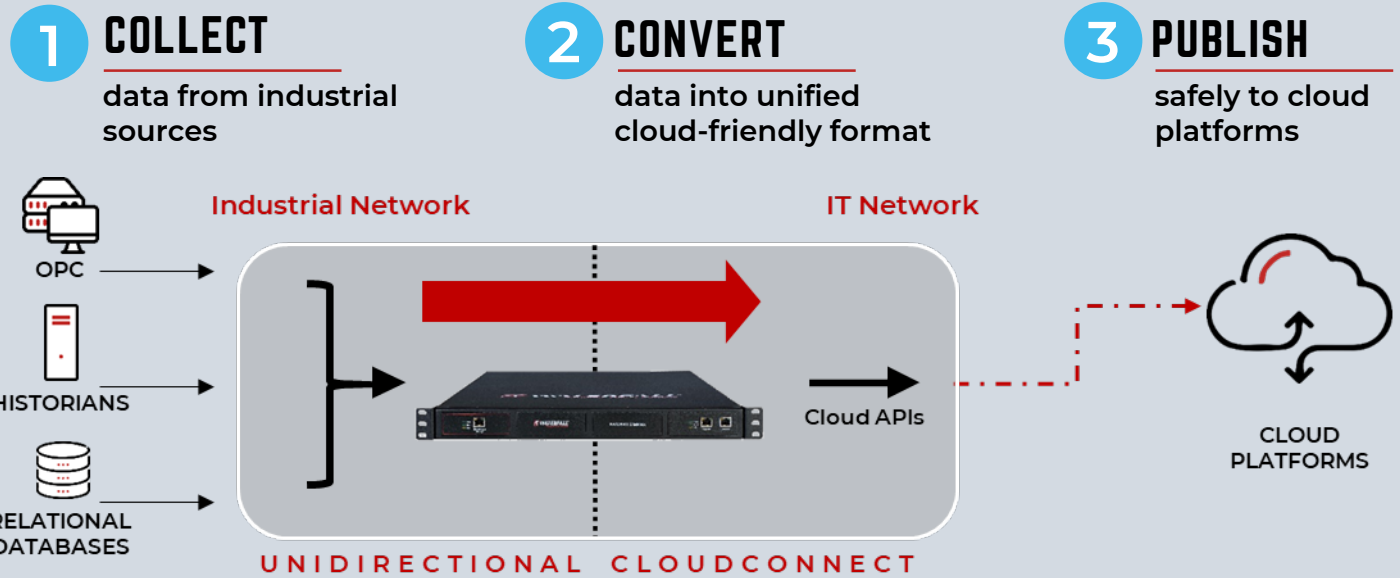
Rails   Oil & Gas   Manufacturing   Water   Power   Pharma

WATERFALL®
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1 **COLLECT**
data from industrial sources

2 **CONVERT**
data into unified cloud-friendly format

3 **PUBLISH**
safely to cloud platforms

Industrial Network   IT Network

OPC

HISTORIANS

RELATIONAL DATABASES

Cloud APIs

CLOUD PLATFORMS

UNIDIRECTIONAL CLOUDCONNECT

✔ **Collects** data from industrial sources such as historians, industrial control systems, OPC serves and industrial devices.

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

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

✔ 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.

Industrial Sources

Cloud APIs

INDUSTRIAL CLOUD PLATFORMS
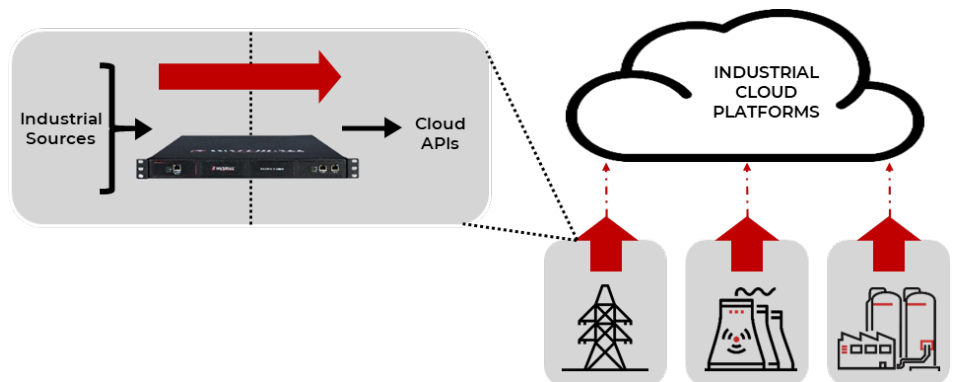
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ABOUT WATERFALL SECURITY

Waterfall Security Solutions is the OT security company, producing a family of Unidirectional Gateway technologies and products that enable enterprise-wide visibility for operations, with disciplined control. Waterfall products represent an evolutionary alternative to firewalls. The company's growing list of customers includes national infrastructures, power plants, nuclear plants, off and on shore oil and gas facilities, 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. For more information, please contact: info@waterfall-security.com