

# UNIDIRECTIONAL CLOUD GATEWAY

**SECURELY ENABLING THE  
INDUSTRIAL CLOUD**

**PRODUCT  
BROCHURE**

## MAIN FEATURES

### SAFE OUTSOURCED SOC

Enables secure deployment of central and outsourced SIEM, SOAR, SOC, NOC & other security monitoring solutions

### SECURE OT/CLOUD INTEGRATION

*Physically* prevents cloud & Internet-based attacks from reaching the protected OT network

### SEAMLESS INTEROPERABILITY

Supports 100+ industrial protocols, applications & cloud-based platforms

### INDUSTRIAL CLOUD

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

## ENABLING THE BENEFITS OF THE INDUSTRIAL CLOUD, WHILE ELIMINATING THE RISKS OF CYBER ATTACK

The Industrial Internet and modern cloud services promise efficiencies that will revolutionize industrial operations. These benefits however, demand connections from even most sensitive and lowest levels of OT networks, straight out to Internet-based cloud services. Such connections represent opportunities for attacks to pivot back into industrial targets through those cloud services. This is unacceptable.

Waterfall's Unidirectional Cloud Gateway provides physical, hardware-based protection for OT networks that connect to IT-based or Internet-based Security Operations Centers (SOCs), Internet-based industrial cloud services, and Industrial Internet of Things services. The Unidirectional Cloud Gateway enables cloud-based efficiencies, while absolutely preventing remote attacks from penetrating back into protected industrial networks.

# THEORY OF OPERATION

## 1 COLLECT

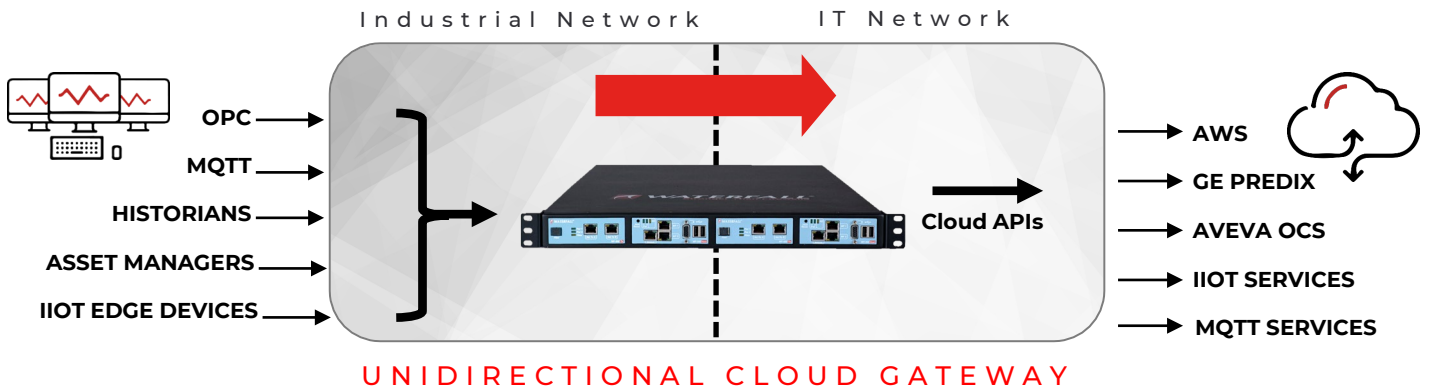
Data from industrial sources

## 2 TRANSFER

Data safely and unidirectionally

## 3 PUBLISH

Data reliably to cloud platforms



## SUPPORTED APPLICATIONS

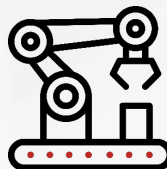
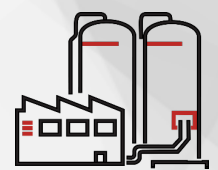
Unidirectional Cloud Gateway hardware is physically able to send information in only one direction – from the protected OT network out to IT and Internet networks. Unidirectional Cloud Gateway software makes application integration easy and transparent for both OT systems and industrial cloud platforms. The combination of these features is future-proof: Waterfall continues to expand software capabilities to track emerging cloud services and applications, while the unidirectional hardware absolutely prevents cloud and Internet-based attacks from reaching OT targets, no matter how powerful or sophisticated those attacks may become in the future.

CENTRAL & OUTSOURCED SIEM / SOAR / SOC

VENDOR PREDICTIVE MAINTENANCE

OPERATIONAL EQUIPMENT EFFECTIVENESS

BIG DATA ANALYTICS



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