UNIDIRECTIONAL SECURITY GATEWAY
WF-500

Waterfall Unidirectional Security Gateways enable monitoring of industrial networks for operational needs without cyber risk. The gateways provide network perimeter protection with a hardware-enforced, physical barrier preventing remote attacks, malware, DOS attacks, ransomware and human errors originating on external networks.

SAFE IT/OT INTEGRATION
Seamless IT/OT network integration without introducing Internet-based cyber threats

STRONGER THAN FIREWALLS
An evolutionary alternative to firewalls in a strong preventative cybersecurity program for Industrial Control Systems

REDUCED DOWN-TIME
Ensure operational continuity by preventing plant shut downs and potential damage to plant assets, the environment and even human lives

IMPASSABLE PHYSICAL BARRIER
A Unidirectional Gateway is a combination of hardware and software preventing cyber threats from propagating back into the protected network

PLUG-N-PLAY SOLUTION
100+ software connectors on the market, commercial off the shelf solutions

100% protection
from remote cyber threats
Unidirectional Gateways replicate servers, emulate industrial devices and translate industrial data to cloud formats, enabling vendor monitoring, industrial cloud services, and visibility into operations for modern enterprises and customers. Waterfall’s technology is a plug-and-play replacement for firewalls, without the vulnerabilities and maintenance issues that always accompany firewall deployments.

Unidirectional Gateways contain both hardware and software components. The hardware components include a TX Module, containing a fiber-optic transmitter/laser, and an RX Module, containing an optical receiver, but no laser. The gateway hardware can transmit information from an ICS network to an external network, but is physically incapable of propagating any virus, DOS attack, human error or any cyber attack at all back into the protected network.

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, 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

Waterfall’s products are covered by U.S. Patents 8,223,205, 7,649,452, and by other pending patent applications in the US and other countries. “Waterfall”, the Waterfall Logo, “Stronger than Firewalls”, “In Logs We Trust”, “Unidirectional CloudConnect”, and “CloudConnect”, and “One Way to Connect” are trademarks of Waterfall Security Solutions Ltd. All other trademarks mentioned above are the property of their respective owners. Waterfall Security reserves the right to change the content at any time without notice. Waterfall Security makes no commitment to update content and assumes no responsibility for any mistakes in this document. Copyright © 2020 Waterfall Security Solutions Ltd. All Rights Reserved.