EXCLUSIVE JOINT OFFERING: WATERFALL SECURITY SOLUTIONS & WONDERWARE CUSTOMERS

THE OT SECURITY COMPANY

April 2020

ABOUT WATERFALL

Founded in 2007

1000+ sites worldwide

Headquarters in Israel

Deployed in all critical infrastructure sectors

Sales & operations in NA, EU & APAC

Multiple registered US patents

Technology & sales collaboration with global partners

WATERFALL
Stronger Than Firewalls
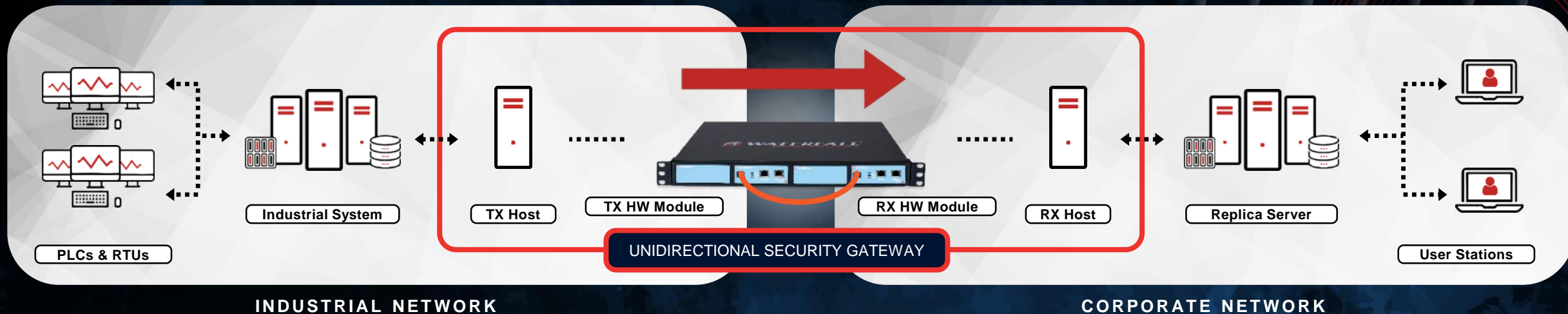
ABOUT WONDERWARE
WORLD'S LEADING SUPPLIER OF HMI, SUPERVISORY & CONTROL SOLUTIONS

Wonderware has a proud heritage as pioneers of world-class, market-leading SCADA and HMI software solutions, and a long history of helping our customers resolve complex automation challenges across a variety of industries.

Our unwavering commitment to continuous improvement in keeping you at the forefront of emerging technologies means that you can always expect best-in-class solutions for achieving unparalleled excellence in optimizing and future-proofing your operations.

UNIDIRECTIONAL SECURITY GATEWAY

INDUSTRIAL NETWORK

CORPORATE NETWORK

PLCs & RTUs · Industrial System · TX Host · TX HW Module · UNIDIRECTIONAL SECURITY GATEWAY · RX HW Module · RX Host · Replica Server · User Stations

Unidirectional Security Gateways are a combination of hardware and software

- The hardware sends information in only one direction
- The software replicates servers & emulates devices from the OT network to the IT network
- No attack, no matter how sophisticated, can propagate back to the industrial network through the gateway

WATERFALL®
Stronger Than Firewalls

EXCLUSIVE JOINT OFFERING

WATERFALL SECURITY & WONDERWARE CUSTOMERS

Bundle offering of Waterfall & Wonderware solutions

Services provided by Instrument Engineers Israel

Secure remote monitoring

Offer exclusive to

Wonderware customers in Israel

Waterfall for Wonderware Historian & Backfill

WATERFALL®
Stronger Than Firewalls

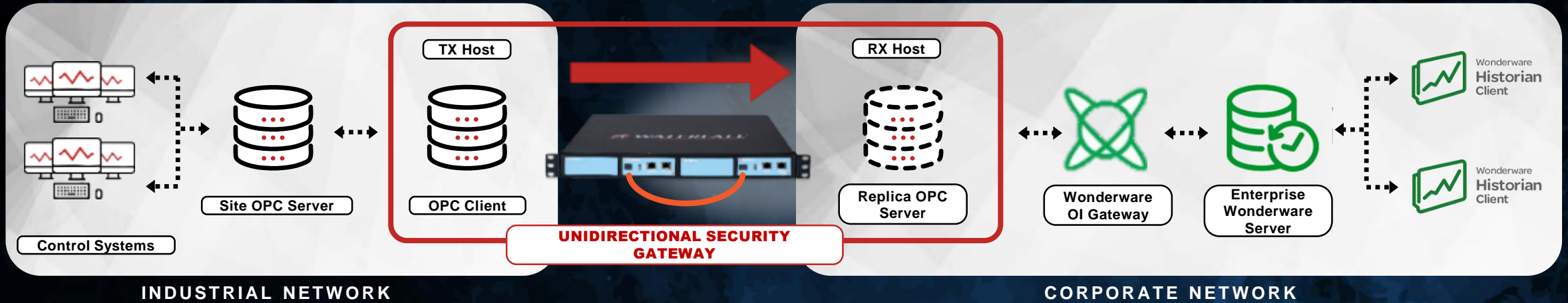# WATERFALL & WONDERWARE COOPERATION

BENEFITS OF JOINT OFFERING

PARTNERSHIP PROVIDES CUSTOMERS WITH END-TO-END SOLUTION

SAFE REMOTE ACCESS ESPECIALLY DURING THE COVID-19 EMERGENCY

ENABLES CONTINUOUS OPERATIONS, WHILE ELIMINATING CYBER ATTACK EXPOSURE

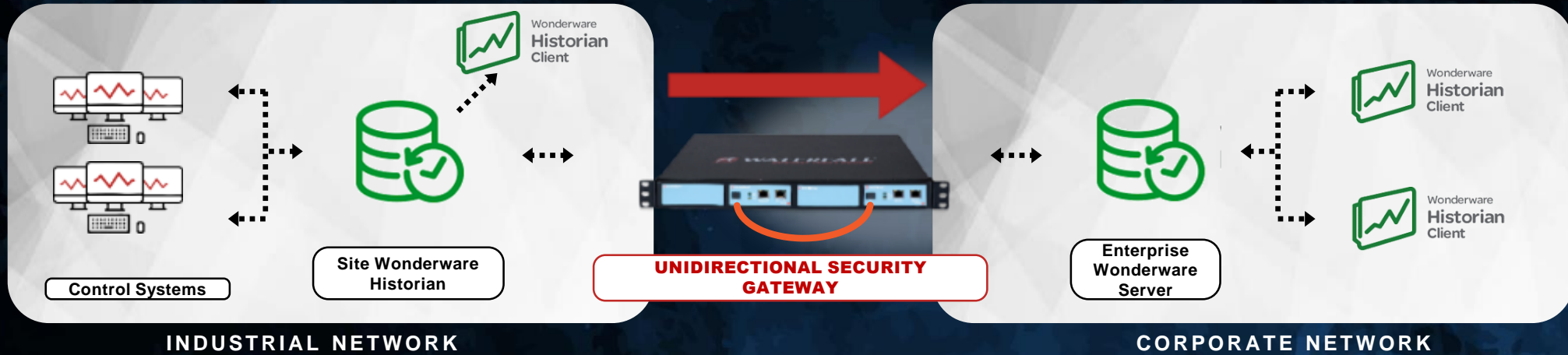**WATERFALL®**
Stronger Than Firewalls

OPC REPLICATION

- Waterfall Unidirectional Gateway is deployed between OT and IT networks, where OPC servers are installed.

- Waterfall OPC connectors emulate an OPC Client on the TX side, and an OPC server on the RX side.

- Waterfall supports both OPC-DA and OPC-UA protocols.

- The Gateway software replicates OPC tags from the OT to the IT network, allowing the Wonderware OI gateway to pull data form the replica OPC server and send it to the Wonderware server, so that IT Wonderware server clients can interact with OPC data.

WATERFALL®
Stronger Than Firewalls

WONDERWARE REPLICATION

INDUSTRIAL NETWORK

CORPORATE NETWORK

- Waterfall provides a solution suite for Wonderware Historian and Backfill.

- The Waterfall solution addresses the need for accessing the Wonderware data for trending, analysis, optimization and reporting while eliminating the risk of remote cyber attacks entering the industrial control systems.

- The Enterprise Wonderware Server contains all data and functionality of the original server.

- Enterprise workstations communicate only with the enterprise server.

WATERFALL®
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WATERFALL REMOTE SCREEN VIEW (RSV)
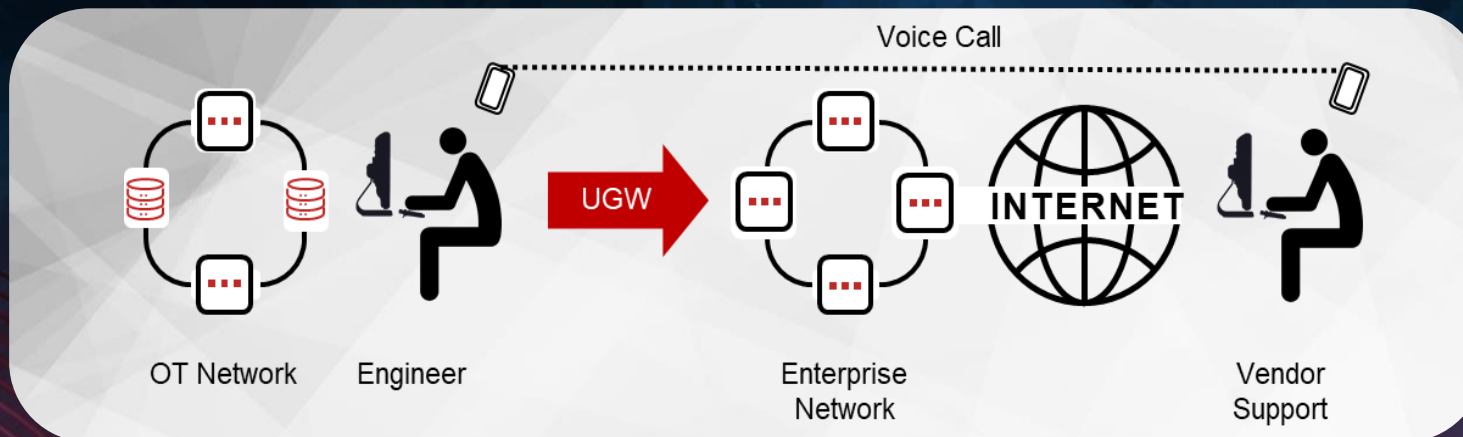
SAFE REMOTE SUPPORT

Safe remote support for unidirectionally-protected networks

Enables 'escorted remote access' for vendor support

Comprehensive diagnostics: real-time alerts via email, SNMP, log files and PI tags

Designed for remote maintenance, like Remote Desktop but read-only

Any changes to be carried out by on-site personnel, but with benefit of remote advice

Voice Call

UGW

INTERNET

OT Network   Engineer   Enterprise Network   Vendor Support

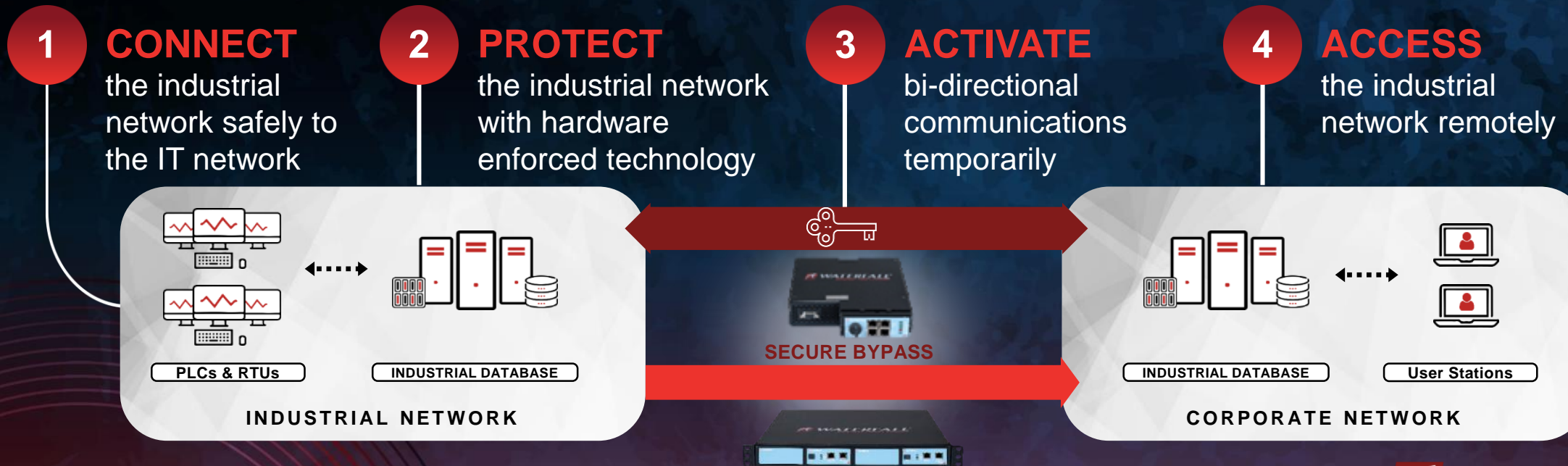**WATERFALL**®
Stronger Than Firewalls

REMOTE MAINTENANCE - SECURE BYPASS

FOR EMERGENCY ACCESS

The Secure Bypass enables temporary bidirectional connectivity for unidirectionally-protected networks

Enables scheduled and emergency support by trusted personnel

Provides physical control over the frequency and duration of remote access.

1 CONNECT the industrial network safely to the IT network

2 PROTECT the industrial network with hardware enforced technology

3 ACTIVATE bi-directional communications temporarily

4 ACCESS the industrial network remotely

PLCs & RTUs   INDUSTRIAL DATABASE

INDUSTRIAL NETWORK

SECURE BYPASS

INDUSTRIAL DATABASE   User Stations

CORPORATE NETWORK

UNIDIRECTIONAL SECURITY GATEWAY

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