

# WATERFALL FOR GE iFIX

## SAFE HMI REPLICATION

Engineers, support technicians and other personnel frequently need access to operator HMI screens and data – screens that are identical to the ones operators are navigating in real time. Such access can be vital to understanding and trouble-shooting industrial operations.

However, connecting an enterprise instance of the GE iFIX HMI product directly to industrial data sources through firewalls is high risk. All connections through firewalls that permit data to leave an industrial system also permit attacks to enter that system.

The Waterfall for GE iFIX solution enables a safe access to live industrial data and screen definitions for an enterprise iFIX instance. The enterprise iFIX and Waterfall solution together enable an enterprise-resident GE iFIX instance to provide personnel on enterprise networks with the ability to navigate operator screens the same way an operator would, with access to identical real-time indications of industrial operations.

## BENEFITS OF USING WATERFALL FOR GE iFIX



Securely replicates GE iFix HMIs from ICS to enterprise networks



Fully transparent to GE iFix system users



Eliminates all remote attacks and malware propagation from external networks



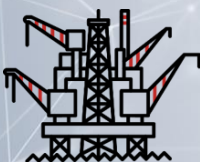
Facilitates and simplifies compliance with NERC CIP, NIST, CFATS, ANSSI, UK DfT and more



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power

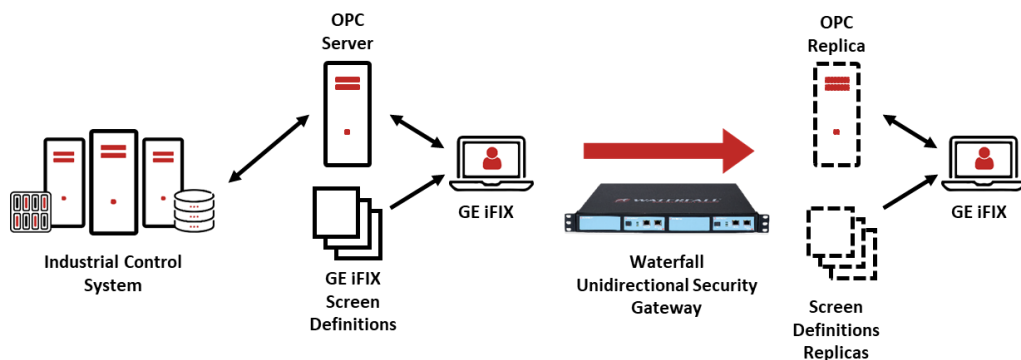


Pharma

## WATERFALL FOR GE IFIX

The Waterfall for GE iFIX connector is part of the Waterfall Unidirectional Security Gateway product line – the gateways are combinations of hardware and software. The gateway hardware deployed between the two networks makes it physically impossible for any attacks to flow from the corporate network back into the industrial network, eliminating any threats of online remote attacks, malware or human errors.

The Waterfall for GE iFIX connector software replicates OPC servers and screen definition files in real time to an enterprise network. An enterprise iFIX instance uses the replicas to provide enterprise users with an HMI identical the plant's. Enterprise users can be confident of seeing the same displays from the enterprise iFIX as they would see on live operator displays.



### FULLY- FEATURED & ROBUST SUPPORT:

- » Faithful, real-time replication of GE iFix OPC inputs and screen definitions from ICS to enterprise networks
- » Automatic discovery and propagation of new OPC tags
- » Supports an unlimited number of OPC-DA tags
- » Automatic discover and propagation of new and updated iFIX screen definition files
- » 1 Gbps throughput standard
- » High Availability option

[INFO@WATERFALL-SECURITY.COM](mailto:INFO@WATERFALL-SECURITY.COM)

[WWW.WATERFALL-SECURITY.COM](http://WWW.WATERFALL-SECURITY.COM)

### ABOUT WATERFALL SECURITY SOLUTIONS

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](mailto:info@waterfall-security.com)

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