



# iHistorian™ 2.0

## FACT SHEET

**iHistorian™ is GE Fanuc's best-in-class, plant-wide data historian that is part of our Plant Intelligence solution.** Designed specifically for the needs of plant and production facilities, iHistorian offers unprecedented ease of use and performance.

**Version 2.0 delivers advanced data management functionality with the introduction of two new collectors – the Calculation Collector and the Server-to-Server Collector.**

Both v2.0 collectors share a number of common features and characteristics, including:

- **Collector-based** – similar to all other iHistorian data collectors.
- **Web-based Collector Configuration** – through the iHistorian's unique thin client administrator.
- **Distributed Collectors** – which can be installed separately from the iHistorian servers.
- **Store & Forward and Data Recovery** – ensuring data integrity in the event of network outages.
- **Time & Event-based Triggers** – for powerful and flexible scheduling of calculations and Server-to-Server data transfer.

### Advanced Features and Functionality

#### Calculation Collector

**The Calculation Collector is a superior advanced calculation engine.** Users can perform advanced calculations, metrics and key performance indicators (KPIs) and analysis on plant-wide data and store the results in iHistorian.

- **Calculation Tags** – mathematical expressions defined by the user; results are stored in iHistorian in the same secure manner as other tags.
- **Calculation Wizard** – simplifies the insertion of historical functions, such as a tag's daily average, into a calculation.
- **Visual Basic Scripting Engine** – enables users to perform customized calculations and logic.

#### Server-to-Server Collector

**The Server-to-Server Collector enables users to easily distribute data from one iHistorian to another iHistorian.** Users can replicate all data, calculated metrics and KPIs from a remote production iHistorian to a centralized iHistorian.

This feature enables users to standardize on KPIs across facilities – a critical aspect of achieving improvements in operational efficiency.

The Server-to-Server Collector offers:

- **Server-to-Server Tags** – receive values from mathematical expressions on tags located on a remote iHistorian.
- **Embedded Calculation Engine** – featuring all of the functionality of the Calculation Collector.
- **Audit Trail Messages** – can be automatically sent to a destination iHistorian when they occur on a remote iHistorian.
- **Centralized Administration** – allows for fast and easy configuration of tags from multiple Server-to-Server collectors.



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