

# Introduction to iFIX

iFIX® is a Windows-based HMI/SCADA component of the GE family of software automation products. Based on open, component-based technology, iFIX is designed to allow easy integration and interoperability between your plant floor and business systems. It includes functional and architectural features that reduce the design time for automation projects, allow simple system upgrades and maintenance, provide seamless integration with third-party applications, and increase productivity.

The SCADA portion of iFIX provides monitoring, supervisory control, alarming, and control functions. It guarantees the absolute integrity of data and provides complete distributed networking capabilities.

The HMI portion of iFIX is the window into your process. It provides all the tools you need to develop pictures that operators can use to monitor your process.

This manual covers several fundamental concepts in iFIX:

- For information on the structure and capability of iFIX, refer to the [System Architecture](#) and the [System Functions](#) chapters.
- For information on the iFIX WorkSpace, refer to the [Using the iFIX WorkSpace](#) chapter.
- For information on managing your nodes, refer to the [Managing iFIX Nodes](#) chapter.
- For information on the electronic books, refer to the [Using the Electronic Books](#) chapter.