The SIMATIC IT Production Suite is a plant-centric information technology (IT) solution for manufacturing execution. It fills the gap between business systems, such as enterprise resource planning (ERP) and control systems, creating the conditions necessary to increase efficiency in plant and supply chain operations.

Using SIMATIC IT provides manufacturers with the flexibility to easily adapt and modify the business process to new requirements and business drivers. It enables manufacturers to be more customer oriented and satisfy on-the-fly requirements, enhance cost-effectiveness by facilitating application rollout across several sites, improve usability of existing components and help users comply with regulations.

Benefits
- Allows manufacturers to be more customer oriented and ready to satisfy on-the-fly requirements
- Facilitates application rollout to several plants, enhancing cost-effectiveness across multiple sites
- Enhances usability of existing components
- Helps users comply with regulations

Features
- Supports the new technology in the SIMATIC IT Unified Architecture Foundation
- Checks compatibility with SQL Server 2012 SP3 Enterprise edition
- Updates to TIA compatibility

Summary
The SIMATIC IT Production Suite is a plant-centric information technology (IT) solution for manufacturing operations.
What’s new in the SIMATIC IT Production Suite v7.0 SP2

Supporting the new technology in SIMATIC IT
The main goal of the v7.0 SP2 release is to use the SIMATIC IT Unified Architecture Foundation (UAF) and SIMATIC IT Unified Architecture for Discrete Manufacturing (UADM) to extend the functionality of SIMATIC IT Production. This new technology has been made available through two implementations:

- The new SIMATIC IT Production Suite setup option, excluding installation of SIMATIC IT Production Modeler
- Support of architecture without SIMATIC IT Production Modeler (often needed for projects in discrete industries), in which a mixed approach can be followed: proven production suite functionality supplemented with features of SIMATIC IT UAF; business production modeler (BPM) functions using browse, read, edit, add, delete - application programming interface (BREAD - API) in order to allow plant modeling; transactional BREAD and stored procedures and calls parallelization on the client side for performances purposes

Enhancing usability of existing components
To enhance the usability of existing components the following modifications have been implemented:

- Parameter attributes visible on at-line testing (ALT) engineering to improve ALT usability
- Cached user profiles to improve performances in hubbing scenarios
- Full recovery support for all the data sources. Now data recovery is limited to run time data server (RTDS) tags in the SIMATIC IT Line Monitoring System (LMS) module, thus expanding SIMATIC IT integration capabilities

Technological updates

- Compatibility with SQL Server® 2012 SP3 Enterprise edition
- Compatibility with totally integrated automation (TIA)