

TIA Portal V14 engineering framework: increased productivity, reduced time to market

- **TIA Portal V14: expanded functionality focuses on diagnostics, virtual commissioning and multi-users**
- **Digital enterprise functions and Industrie 4.0 requirements**
- **Enhanced energy management and motion control, cloud connectivity and digital twin for virtual commissioning**

Siemens has officially launched the new Version 14 version of the TIA Portal (Totally Integrated Automation) in Vietnam, which will shorten the time to market for machine manufacturers and increase the productivity of end users. This Version 14 of the engineering framework is enriched with a wide range of new functionalities for the digital enterprise and the requirements of Industrie 4.0.

The TIA Portal interacts with other systems and exchanges data through open interfaces. The Teamcenter gateway has a new interface for product data management in Teamcenter, the Siemens data collaboration platform for design, planning and engineering. The user can easily create model-based programs with a new interface to Matlab/Simulink.

The cloud-based engineering is also new. From their private cloud, users can access the plant controller with the new TIA Portal Cloud Connector, or use MindSphere, the Siemens cloud solution for industry, for additional digital services from Siemens. Another new feature is PLCSim Advanced with interfaces to simulation software, such as Plant Simulation and Process Simulate. A Simatic S7-1500 controller can be simulated as a digital twin with PLCSim Advanced to achieve efficient, virtual commissioning.

Tindaro Michele Danze, Digital Factory and Process Drives Division Lead and Vice President, Siemens Vietnam, said, “There can be varied machine and system components in an engineering process, making it complex and challenging to manage. With added features such as simulation via a digital twin, an open interface system and cloud solutions, processes and data can be seamlessly integrated via the TIA portal, reducing commissioning time, redundant workflows and increased flexibility.”

Danze added: “This would be especially beneficial to manufacturers in Vietnam, which has recently seen an emergence in new players in the industry. Through our various conversations with customers, we are beginning to see that manufacturers in the Food & Beverage (F&B), cement, water and wastewater as well as chemical sectors are starting to realize the need to digitalize in order to remain competitive by reaping the benefits of increased production flexibility, higher levels of efficiency and reduced time-to-market of their innovation cycle.”

For further information on TIA Portal v14, please visit www.siemens.com/tia-portal

Contact for journalists

Siemens Ltd., Vietnam
Communications & Government Affairs
Duong Huong Ly
Tel: +84 4 3577 6688 ext. 310
Fax: +84 4 3577 6699
Email: duong-huong.ly@siemens.com

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 165 years. The company is active in more than 200 countries, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is No. 1 in offshore wind turbine construction, a leading supplier of gas and steam turbines for power generation, a major provider of power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. The company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2016, which ended on September 30, 2016, Siemens generated revenue of €79.6 billion and net income of €5.6 billion. At the end of September 2016, the company had around 351,000 employees worldwide. Further information is available on the Internet at www.siemens.com.