

Frankfurt, June 12, 2018

Achema 2018, Hall 11, Booth C3

New software version Simit V10 creates greater simulation flexibility

- **Siemens unveils V10 of its Simit simulation software at the Achema 2018**
- **Flexible integration of additional functions and improved scalability**
- **New license and dongle concept for improved scaling**

Siemens will be presenting the latest release of its Simit simulation software, part of the Digital Enterprise portfolio for the process industries, for the first time at the Achema 2018. Version 10 of the software enables the flexible addition of functionalities such as new libraries, the Component Type Editor and Virtual Controllers. Used in combination with the new license structure, V10 offers improved software scalability tailored to any individual project size. This makes the use of simulation affordable right from the initial stage, as the pricing structure in place from Version 10 onwards takes into account the size of the simulated project. Another new feature is the dongle concept, which enables the number of dongles required to be significantly reduced in future depending on the specific application. Alongside this fundamentally new licensing concept, Simit V10 users also benefit from a number of functional upgrades. These include support for the S7 Redundancy Protocol in the Virtual Controller for the Simatic S7-400 as well as new components within the ChemBasic library for process simulation. Also featured at the Achema will be a number of exhibits demonstrating the wide-ranging possibilities of Simit, including an application for virtual commissioning, automatic model generation with the aid of planning data from COMOS and an operator training system.

The application scope of Simit V10 extends beyond the process industries. Version 10 also brings added benefits for discrete manufacturers using the Simit performance spectrum, which together with the new Simatic Machine Simulator V1.0 creates the basis for isosynchronous coupling between the virtual PLC and

simulation model. This enables complete machines to be virtually validated through the synchronous simulation of mechatronic models and behavioral sensor and actuator models, and also PLC applications to be emulated and ultimately also tested. By combining virtual controllers with device and mechanical behavior models, a digital twin of the physical application is created. This twin enables users to identify engineering errors at an early stage and fix them prior to actual commissioning – with all the associated efficiency benefits across every phase of a process or manufacturing plant's life cycle. Ultimately, the same model can also be connected within Simit directly to a real controller for validation of an application using physical hardware.

Simit enables a real-time simulation environment to be created for extensive testing of automation functions and operator training long before actual commissioning takes place. The benefits gained by using Simit-based simulations include improved engineering and automation quality, a shorter time to market, early training for plant operators and the seamless integration of engineering data.



Siemens will be presenting the latest release of its Simit simulation software, part of the Digital Enterprise portfolio for the process industries, for the first time at the Achema 2018. Version 10 of the software enables the flexible addition of functionalities such as new libraries, the Component Type Editor and Virtual Controllers.

This press release and a press picture are available from

www.siemens.com/press/PR2018060202PDEN

For further information on Simit V10, please see www.siemens.com/simit

For further information on Siemens at the Achema, please see

www.siemens.com/achema and www.siemens.com/press/achema2018

Contact for journalists

Evelyne Kadel

Phone: +49 (0)211 6916-1003; E-mail: evelyne.kadel@siemens.comFollow us on **Social Media**:**Twitter:** www.twitter.com/MediaServiceInd and www.twitter.com/siemens_press**Blog:** <https://blogs.siemens.com/mediaservice-industries-de>

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, 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 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.