SIEMENS

Press

Zug, March 28, 2019

Siemens is raising the bar in facility optimization with Navigator

- **Navigator combines distinct types of asset and maintenance data with performance data**
- **Deep analysis as the basis for new and improved Energy and Asset Performance Services**
- **Extended possibilities for apps and dashboards through integration into MindSphere, the cloud-based, open IoT operating system from Siemens**

Navigator, the cloud-based energy and asset management platform from Siemens, has recently become even stronger thanks to a new release issued this February. With this latest version, it can aggregate a wider range of data sets, more powerfully analyze data, and create a whole new range of customized reports for easier decision making and communication. “Since we brought Navigator to the market in 2012, it has been evolving constantly to help our customers make better decisions, reduce operational expenditures, achieve sustainability targets and lower their exposure to risk. For example, Building Technologies saved 10,96 million tons CO_2emissions in 2018, which corresponds to the emission of one million small cars, which are all driving once around the world.” says Eike Steffen, Global Head, Solutions and Services Portfolio. Currently, Navigator processes over 625 million values per day from over 80,000 connected buildings worldwide.

A new feature is the ability to combine three distinct types of operational data into Navigator: maintenance data, typically sourced from the computerized maintenance management system (CMMS); asset data, like the make and model of installed

Siemens AG
Communications
Head: Clarissa Haller

Werner-von-Siemens-Straße 1
80333 Munich
Germany

Reference number: PR2019030215BTEN

equipment, the individual parts, and service schedules; and performance data, such as comfort levels, and energy and CO_2 consumption.

“By connecting these disparate data sets, in sum they become more powerful. With this knowledge and the help of analytics built into Navigator, we’re able to offer a wide range of services which proactively reduce maintenance and energy spending while improving building conditions and reducing the risk of equipment failures,” says Peter Halliday, Global Head, Building Performance and Sustainability. As a result, a new way of managing maintenance in buildings has opened up, which Siemens covers through its Energy and Asset Performance Services offerings. With this data-driven maintenance approach, studies have shown that there is 35 to 45 percent less downtime. In addition, repair costs can sink by 45 percent, replacement costs by 35 percent and downtime costs by 10 percent. Furthermore, with Navigator maintenance efforts can be better directed. For example, when work orders are initiated, they include a list of what tools and parts are necessary to complete a job.

Another advantage is higher tenant satisfaction. Plus, asset dependability as a whole increases because root causes are addressed instead of symptoms. Finally, building operators stand to save money: with reduced operational expenditures called OPEX (Operational expenditures) for maintenance and energy consumption, and improved decision making based on actual capital expenditures called CAPEX (Capital expenditures), savings in energy and maintenance costs can amount up to 30 percent.

The data used by Navigator has even more potential, because it can also be fed via highly secure channels into MindSphere, the cloud-based, open IoT operating system from Siemens. An example of what’s possible: Building data from Navigator can be paired with specific environmental data, such as for air-borne dust particles. The results are displayed in a dashboard, which operators can act upon to ensure the comfort and safety of building occupants. By leveraging the asset, maintenance and performance data from Navigator, dashboards and apps can be created, which in turn fulfills customer requests for flexible solutions.

Additionally, Siemens can now offer the ability to bring together building data with transportation data and grid data. For cities that would mean that a mayor can now make better decisions regarding the city’s infrastructure through a data-driven and

comprehensive approach. As time goes on, more and more dashboards and apps will be created with MindSphere to help customers to more effectively address their core-business needs.

Further information:
In a survey by independent research and consulting firm Verdantix, Siemens was recently ranked as the no. 1 preferred brand for software and services that optimize energy, maintenance and facility operations. Find out more here: https://www.siemens.com/global/en/home/products/buildings/contact/smart-building-technology-global-survey-2018.html

Four new Energy and Asset Performance Services are available and can be combined or customized for a tailored approach to any building. They are:

- CloudFIMs (Cloud Facility Improvement Measures)
- CloudOps (Cloud Operations)
- Maintenance Strategy Analysis
- Predictive Maintenance Analytics

More information is available here: https://new.siemens.com/global/en/products/buildings/services/manage-asset-performance.html

Total Energy Management is a comprehensive approach to energy services and projects that ensures you consume only the energy that is absolutely necessary; purchase energy at a fair price; generate and store energy on-site; and continuously improve through data-driven analysis. Find out how Navigator is enabling Total Energy Management: https://new.siemens.com/global/en/products/buildings/energy-sustainability/total-energy-management/analyze-to-optimize.html

MindSphere connects products, plants, systems and machines to harness the wealth of data generated by the Internet of Things (IoT) with advanced analytics. Find out more: https://new.siemens.com/global/en/products/software/mindsphere.html

This press release and a press picture are available at
www.siemens.com/press/PR2019030215BTEN
For further information on the Building Technologies Division, please see
www.siemens.com/buildingtechnologies

Contact for journalists

Aynur Saltik
Phone: +1 312 560 3679; E-mail: aynur.saltik@siemens.com

For further information on **#CreatingPerfectPlaces**, please see
Landing Page: www.siemens.com/perfect-places and
Twitter: www.twitter.com/SiemensBT.

Follow us on Twitter at: www.twitter.com/siemens_press

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the 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 2018, which ended on September 30, 2018, Siemens generated revenue of €83.0 billion and net income of €6.1 billion. At the end of September 2018, the company had around 379,000 employees worldwide. Further information is available on the Internet at www.siemens.com.