

Siemens and Grundfos sign digital partnership to tackle global water challenges and save energy

- **Partnership based on complementary portfolios and competences will support our customers when implementing intelligent solutions**
- **Cooperation to tackle global water challenges: increase energy efficiency and reduce water consumption**
- **Focused on three main areas: water and wastewater applications, industrial automation and building technology**

Siemens and Grundfos have today signed a digital partnership framework for strategic cooperation between the two companies. The new partnership focuses on the complementary products and solutions provided by both parties in three main areas: water and wastewater applications, industrial automation and building technology.

By combining their complementary expertise and knowledge in a long-term co-development digital partnership, both Siemens and Grundfos will benefit customers by creating synergies that extend beyond the sum of their parts. Both parties are entering into this partnership with the aim of achieving sustainable global change by joining forces in digital solutions.

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“We are delighted to be further extending our collaboration with Grundfos,” states Klaus Helmrich, Member of the Managing Board of Siemens AG and CEO of Digital Industries. “Siemens and Grundfos are combining the competences of both companies in order to support our joint customer base in their digital transformation and in the implementation of intelligent solutions. Solutions from our Digital Enterprise portfolio can be used, for example, to increase the uptime of pumps and motors and to optimize their operation. Our MindSphere open cloud-based IoT operating system combined with Grundfos IoT solutions can optimize pump and motor schedules in order to maximize uptime and minimize energy consumption.” In addition, MindSphere can be used to acquire data and knowledge, which enables us to operate buildings in a more user-friendly and efficient way.

“Our purpose is to pioneer solutions that contribute to solving the world’s water and climate challenges. To live up to that purpose, we are on a major digital transformation journey to supplement our pump solutions business by also becoming a digital solution and service provider. Partnering with Siemens is a big step in this direction,” says Mads Nipper, CEO, Grundfos. He adds: “Our companies have a strong position based on quality offerings and we want to strengthen this position by adding a digital layer. Ten percent of all electric energy in the world is used by pumps. Through this partnership we can provide intelligent, efficient solutions for reducing energy consumption, making a substantial difference when it comes to combatting climate change.”

Siemens and Grundfos pledge to lead the way on global sustainability and share the aim of making a positive impact on Sustainable Development Goals 6 (Clean water and sanitation) and 13 (Climate action).

By 2030, Grundfos aspires to be Climate Positive, and the company aims to halve its own water consumption by 2025. By 2030, Grundfos will have contributed to

providing safely managed drinking water to 300 million people in need. In addition, through water efficiency and water treatment, the company will have saved 50 billion cubic meters of fresh water.

This press release is available at <https://sie.ag/211O857>

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Siemens Digital Industries (DI) is an innovation leader in automation and digitalization. Closely collaborating with partners and customers, DI drives the digital transformation in the process and discrete industries. With its Digital Enterprise portfolio, DI provides companies of all sizes with an end-to-end set of products, solutions and services to integrate and digitalize the entire value chain. Optimized for the specific needs of each industry, DI's unique portfolio supports customers to achieve greater productivity and flexibility. DI is constantly adding innovations to its portfolio to integrate cutting-edge future technologies. Siemens Digital Industries has its global headquarters in Nuremberg, Germany, and has around 75,000 employees internationally.

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 power generation and distribution, intelligent infrastructure for buildings and distributed energy systems, and automation and digitalization in the process and manufacturing industries. Through the separately managed company Siemens Mobility, a leading supplier of smart mobility solutions for rail and road

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transport, Siemens is shaping the world market for passenger and freight services. Due to its majority stakes in the publicly listed companies Siemens Healthineers AG and Siemens Gamesa Renewable Energy, Siemens is also a world-leading supplier of medical technology and digital healthcare services as well as environmentally friendly solutions for onshore and offshore wind power generation. 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.

Grundfos is present worldwide. Through 83 companies we are directly accessible in 56 countries, and through our network of partners, distributors and subdealers, we are present in even more. The company employs around 19,280 people today. Poul Due Jensen founded the company in 1945 from his basement in Bjerringbro, Denmark. The first pump made was a water pump. Through the decades, we have sharpened our skills, and to this day, we take pride in moving water to where it should be. Using as little energy as possible when doing it.

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