

automatica 2023

Intrinsic and Siemens collaborate to accelerate the integration of AI-based robotics and automation technology

- **Collaboration to make industrial robotics more accessible and usable for manufacturing SMEs**
- **Exploration of new solutions to advance interoperability and more efficient interfaces between automation and robotics systems to address existing hurdles and cost drivers**
- **Solutions to speed up the development process for flexible work cells and facilitate their operation**

Intrinsic, an Alphabet company, and Siemens have teamed up to explore integrations and interfaces between Intrinsic's robotics software, which is designed for easy use of AI-based capabilities, and Siemens Digital Industries with their open and interoperable portfolio for automating and operating industrial production.

Intrinsic has a world-class team of robotics and AI experts with a strong footprint in advanced perception, machine learning and reinforcement learning. Siemens' automation engineers and software developers have industry-leading domain know-how in automation technology in the industrial space.

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Currently, the development and runtime environments for AI-based robotics and automation components differ significantly in their development paradigms and make integration cumbersome. For example, deploying advanced robotic capabilities such as pose estimation, robot manipulation or automated path planning are complex processes that typically require teams of domain experts to operationalize. The two companies intend to investigate new methods to seamlessly bridge the gaps between robotics, automation engineering and IT development.

Bridging both worlds will speed up the development process of flexible, AI-enabled robot work cells and facilitate their seamless operation. This will make industrial robotics more accessible and usable for more businesses, entrepreneurs, and developers - particularly for new market segments like small and medium-sized companies.

“Intrinsic’s mission is to democratize access to robotics. However, robotics is rarely decoupled from the production environment, where the most value is created today,” says Wendy Tan White, CEO at Intrinsic. “That’s why working with Siemens Digital Industries, an industry leading automation expert, is an exciting opportunity to bring joint solutions to the market in the future, so many more businesses can benefit from the value that robotics and automation can offer.”

“Siemens is dedicated to bringing IT and OT closer together – the key principle of our Industrial Operations X portfolio”, says Rainer Brehm, CEO of Factory Automation at Siemens. “We are impressed by Intrinsic’s open approach to industrial robotics and we are excited to explore with Intrinsic how coupling of AI-based robots and automation technology can be further accelerated.”

Both Siemens and Intrinsic will be exhibiting at automatica 2023, the leading trade fair for intelligent automation and robotics, in Munich, Germany, from 27 – 30 June.

Joint Press Release
by **Siemens and Intrinsic**

On Tuesday 27 June, 1 – 2 PM CET, Intrinsic CEO Wendy Tan White and Rainer Brehm, CEO Factory Automation at Siemens, will join the munich_i CEO Round Table, “Software: revolution for automation and robotics?”

Under the motto "Accelerate Transformation", Siemens will be showcasing the latest technologies and specific use cases from the world of robotics, making them tangible for visitors in a test zone.

For further information on Siemens at automatica 2023 please see www.siemens.com/automatica

This press release is available at <https://sie.ag/3Xibhy3>

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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 72,000 employees internationally.

Siemens AG (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power. In fiscal 2022, which ended on September 30, 2022, the Siemens Group generated revenue of €72.0 billion and net income of €4.4 billion. As of September 30, 2022, the company had around 311,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

Intrinsic is a robotics software and AI company at Alphabet. They're on a mission to democratize access to robotics. Intrinsic is building a software platform for intelligent robotics; making industrial robotics accessible and usable for millions more businesses, entrepreneurs, and developers. In May 2023, Intrinsic announced their first product built on the Intrinsic platform: Flowstate – an intuitive, web-based developer environment to build robotic applications from concept to deployment. www.intrinsic.ai

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