Press Release

Digital Transformation with Causal AI: Xplain Data joins Siemens Xcelerator

Zorneding/Munich, 10. June 2025 – Xplain Data has joined the Siemens Xcelerator ecosystem. Siemens Xcelerator is an open digital business platform that helps companies accelerate their digital transformation. Participants gain access to innovative technologies and solutions through a continuously evolving partner ecosystem and an expanding marketplace.

As an open digital business platform, Siemens Xcelerator aims to support companies in their digital transformation. It does this through a curated portfolio of IoT hardware, software, and digital solutions from Siemens, all within a strong partner ecosystem.

Xplain Data was included in the Siemens program because of its patented Causal AI technology, which analyzes complex production data. This enables the joint implementation of data-driven optimization projects across the entire value chain. Xplain Data's solution integrates seamlessly with the platform's data and integration services, enhancing the ecosystem with advanced analytics and automation capabilities throughout the entire product and production lifecycle.

"This cooperation builds on our existing successful collaboration with Siemens in optimizing PCB production," says Dr. Michael Haft, CEO of Xplain Data. *"Our Causal AI solution unlocks new potential for improving industrial manufacturing processes by identifying the true root causes of production issues in precision manufacturing."*

Causal AI with ObjectAnalytics: Understand Root Causes instead of Correlations

Xplain Data's Causal AI algorithms are built on the patented ObjectAnalytics technology, which provides an object-centric view of business data. All information related to a business object—such as a workpiece or machine—is consolidated into a single object. This enables holistic analysis of the entire production process without the need for manual feature selection and automatically uncovers the root causes of quality issues and process deviations.

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Caption:

1. Dr. Michael Haft, CEO and Founder Xplain Data GmbH, Download

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Xplain Data GmbH, a deep-tech start-up founded in Munich in 2015, focuses on the development of innovative technologies in the field of causal AI. The Xplain Data algorithms enable companies in all industries to recognise the few, potentially causal relationships in their 'real world data' that are hidden behind a wealth of irrelevant correlations. With this knowledge of cause and effect, users can take targeted steps in their business processes to eliminate the causes of errors or achieve a desired effect. Xplain Data customers include leading companies from the mechanical engineering, manufacturing and healthcare sectors, who use the technologies for sophisticated data analyses as well as for production optimisation through automated root cause analysis and yield optimisation.

Siemens Digital Industries (DI) empowers companies of all sizes in the process and precision manufacturing sectors to accelerate their digital and sustainable transformation across the entire value chain. Siemens' innovative portfolio of automation and software solutions is reshaping the way products and production systems are designed, implemented, and optimized. With Siemens Xcelerator – the open digital business platform – this transformation becomes even easier, faster, and more scalable. In collaboration with its partners and broader ecosystem, Siemens Digital Industries helps customers evolve into sustainable Digital Enterprises. Siemens Digital Industries employs approximately 70,000 people worldwide.

Siemens AG (Berlin and Munich) is a leading technology company focused on industry, infrastructure, mobility, and healthcare. Its Mission is to develop technologies that improve everyday life for people around the world. By bridging the physical and digital worlds, Siemens empowers customers to accelerate their digital and sustainable transformation—making factories more efficient, cities more liveable, and transportation more sustainable. As a leader in industrial artificial intelligence, Siemens leverages its deep expertise to apply AI—including generative AI—to real-world use cases, delivering practical solutions that create tangible value across industries. Siemens is also the majority shareholder of Siemens Healthineers, a publicly listed global pioneer in medical technology committed to advancing healthcare for everyone. Everywhere. Sustainably. In the 2024 fiscal year (ending September 30, 2024), Siemens generated revenue of €75,9 billion and post-tax profit of €9,0 billion. As of September 30, 2024, the company employed approximately 312.000 people worldwide. For more information, visit www.siemens.com.