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Capgemini and Microsoft collaborate to offer cloud-native digital twin solution to help organizations rethink their operations

Paris, October 12, 2022 – Capgemini today announced that it is collaborating with Microsoft to deliver a first-of-its kind, cloud-native, serverless Azure-based digital twin platform, called ReflectIOD. This secure, highly scalable platform will leverage best-in-class architecture and technological components from the Azure suite to help transform an organization's operations and maintenance efficiency, enabling intelligent industry and driving sustainable business value. It will also enable enterprises to meet the ever-growing needs of standardized brownfields management[1] throughout their life cycle and across ecosystems.

In an organization's life cycle, enormous amounts of data are produced by different assets in a variety of formats and by different actors. These are also often hosted in different IT silos. It is therefore difficult for industrial players to quickly access the right data and have a 360° view of their assets to optimize operations, maintenance and asset availability. Reflect^{IoD} addresses this problem by federating data from multiple systems and formats, such as 1D to 3D, Point cloud[2], Geographical information, OT and IoT data[3], and more[4], into a unique referential - the asset digital twin. It is built on an evolutive data model which can be customized for different industries or organizations, leveraging Azure Digital Twins and Azure IoT, while also offering value added services to improve operations and maintenance. This holistic view of the assets enables data-centric collaboration and alignment between teams across multiple geographies, improves overall-decision making and enables the creation of new services.

Jean-Pierre Petit, Digital Manufacturing and Supply Chain Group Offer Leader at Capgemini said, *"Incremental use-cases and a data-driven approach are key to successfully deploying digital twins in the field. Scalable and configurable by design, the deployment of this new platform will make it possible to drive sustainable business value for organizations by delivering shorter turnaround times, breaking down silos within an organization and improving operational efficiency. Together with Microsoft's cloud expertise, we're confident in enabling organizations to rethink their operations and shape the manufacturing and business ecosystem of tomorrow."*

"Our collaboration with Capgemini offers a seamless opportunity for operators to capture and derive more value from data created across the full asset lifecycle. By leveraging cloud services and the power of digital twins, manufacturers can move from systems of record to systems of reality, driving unique and accelerated competitive advantage at scale," said Çağlayan Arkan, Vice President, Global Strategy and Sales Lead, Manufacturing and Supply Chain, Microsoft

Capgemini's Digital Engineering and Manufacturing teams help shape smart factories, buildings and infrastructure towards a more sustainable future. Click here for more information.

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[1] This refers to the operations of an already built building or infrastructure as opposed to a Greenfield, or new asset to be constructed.
[2] A set of data points in space
[3] Operational Technology and Internet of Things
[4] Including Enterprise Resource Planning, Product Lifecycle Management and Enterprise Asset Management

About Capgemini
Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of over 350,000 team members in more than 50 countries. With its strong 55-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2021 global revenues of €18 billion.

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