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## **move technology and the German Aerospace Center (DLR) launch a project on the industrial use of high-performance infrastructure for digital twins**

Last week, Saxony-based move technology GmbH and the German Aerospace Center (DLR) marked the start of their collaboration in the field of digital twins with a joint project kick-off. The focus is on the industrial application of the *twinstash* system developed by the DLR.

*twinstash* is a Digital Twin Storage and Application Service Hub that is already being used to manage DLR research aircraft at the Braunschweig site. The platform enables the structured storage of and access to flight data, metadata, and trajectories. Currently, a web GUI and a Python client for upload, download, and analysis are available for this purpose. The data is stored in a MongoDB-based infrastructure.

As a first step, move technology plans to utilize the infrastructure and database used by *twinstash* as part of an ongoing development project and to further develop them in key areas for industrial use. The first use case will be an analysis tool for documenting vehicle availability and assessing the wear and tear of critical components in electrically powered special-purpose vehicles. The integration of *twinstash* creates a powerful and secure database, which is a central prerequisite for processing sensitive operational and status data. move technology is thus among the first companies in Germany to transfer this DLR technology into an industrial application context.

“Our customers now benefit not only from our efficiency-enhancing, customized, and AI-powered software solutions, but also gain access through us to highly secure and powerful database architectures. This enables more reliable management of vehicle and device data, more precise analysis of conditions, and more informed assessments of availability. This lays the foundation for robust operational decisions, predictive maintenance, and a more efficient overall use of operational data,” says Tom George, Managing Director of move technology.

The pilot project with the DLR is scheduled to run through the end of 2027. During the kick-off meeting, the basic project timeline and further organizational steps were agreed upon, forming the framework for the joint implementation.

“In parallel with the pilot project, we are already in discussions with our first customers regarding the use of *twinstash* in joint projects. Our goal is to translate the technology’s potential into industrial use as quickly as possible,” adds Tom George.

## **About move technology GmbH**

move technology is a specialized service provider and solution partner that supports its clients with a holistic approach in the future fields of green energy and smart AI applications. The company relies on three core business pillars: consulting, the realization of projects and concepts including engineering and software development, and the creation of its own products. From strategic study to successful international market launch, move technology offers comprehensive industry expertise for high-tech projects, including sustainable mobility concepts, tailor-made software development, and the design of modern energy systems. The development and global scaling of its own products further accelerates the transition to environmentally friendly energy and more efficient processes.

Through this commitment, move technology strengthens its clients' competitiveness and makes a substantial contribution to global CO<sub>2</sub> reduction and the realization of the Sustainable Development Goals (SDGs).