



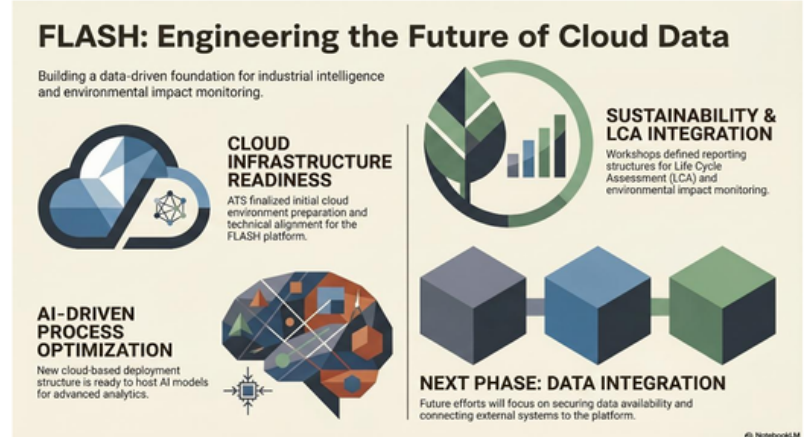
Operational Cloud Data Management System

ATS continued supporting the preparation activities for the FLASH Operational Cloud Data Management System. The activities focused mainly on cloud environment preparation, technical alignment discussions, and the initial definition of integration and reporting concepts related to sustainability and LCA use cases. Several workshops and technical discussions were carried out together with project partners to better define data flows, reporting expectations, and future dashboard structures for environmental impact and process monitoring.

In parallel, ATS also prepared the initial cloud-based AI model deployment structure intended to support future analytics and process optimisation scenarios within the FLASH platform.

At this stage, further implementation and validation activities remain dependent on data availability and integration readiness from connected systems.

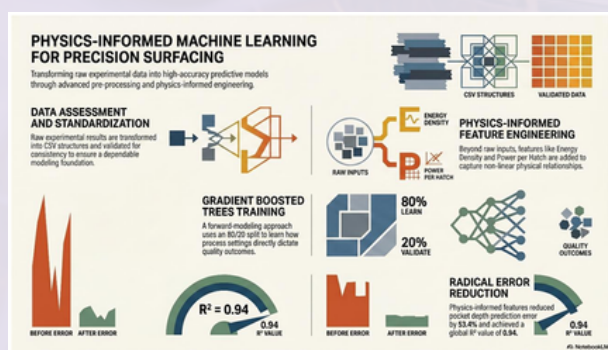
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Data Quality, Pre-processing and Algorithm Training

For the purpose of model training, COS has received an experimental Titanium Surfacing dataset with a fixed laser configuration.

The dataset is transformed into a CSV-style structure so that it can be read consistently by the data pipeline and inspected using standard data tooling. The first step focuses on assessing whether the dataset is reliable, consistent, and suitable for further analysis.



This includes checking the expected data structure, reviewing value ranges, identifying missing information, and confirming the general consistency of the provided experimental results.

These checks help ensure that the dataset can be used as a dependable basis for the next modelling activities.

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Partners

