



iECO

intelligent Empowerment of Construction Industry

This funding project targets the construction industry, which has been relatively less digitalized until now. The overarching goal is to develop a shared data space for the construction sector, enabling a digital twin representation of the entire lifecycle of a building, from planning to demolition. This will facilitate the parallel processing, seamless data exchange, and real-time updates of all information related to a construction project.

These advancements will streamline digital preparation for inspection and approval processes, enhance coordination among different involved trade, optimize the management of material on the construction site. Additionally, the data will allow a more efficient operation of buildings, and an easy salvaging of materials for recycling at the end of their lifecycle. As the project focuses not only on the building itself but also includes upstream and downstream processes of construction, the implementation and adoption of iECO could potentially boost the industry's overall productivity by ten percent.

Domain	Plan / Build / Operate
Start	November 2021
Term	3 Years
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Consortium Management	RIB Information Technologies AG Mr Mamadou Ly - info@rib-software.com
Press Contact	Software AG Ms Gabriele Strobel



Partner

Software AG

A1 Digital

N+P Informationssysteme GmbH

Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V.

Technische Universität Dresden

Hochschule für Angewandte Wissenschaften Hof

LGA Landesgewerbeanstalt Bayern

Implenia Holding GmbH

IProConsult GmbH

Website

www.ieco-gaiax.de

Further information:



✉ gaia-x-hub@acatech.de

🌐 gaia-x-hub.de

in [@GaiaXGermany](https://www.linkedin.com/company/gaia-x-hub-germany)

✂ [Gaia-X Hub Germany](#)