



Project Profile

InValue

Industrial Enterprise Asset Value Enablers

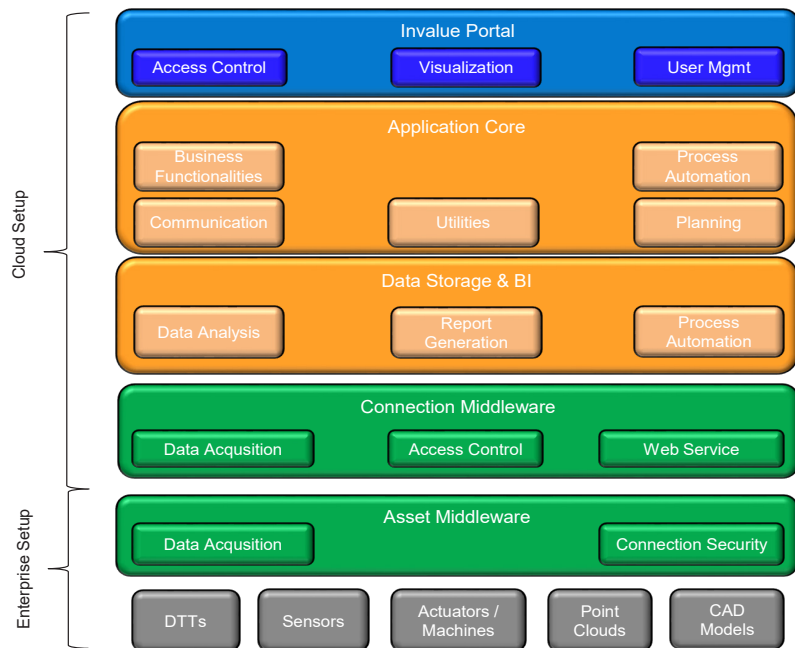
InValue will develop and demonstrate an open and shared integrated service platform that supports the overarching data management processes in today's industrial domains across the whole value chain of information.

ADDRESSING THE CHALLENGE

Industrial enterprises live in a continuously changing environment induced by global competition, economic crises, technology development, pressure to reduce costs and product life cycles. Processes have to be remodelled, new partnerships formed, new business models adopted and the use of information and knowledge intensified. Comprehensive service and automation solutions rely on optimum asset management and implementing the latest ICT concepts throughout the deployment chain.

PROPOSED SOLUTIONS

The main goal of InValue is to support these new paradigms, relying on existing standards while combining novel and integrated solutions for the content and knowledge management of heterogeneous information derived from various sources. This will include information acquisition and aggregation, representation, analysis and exchange between smart devices, automation systems, information systems and respective stakeholders, such as technical and management staff, as well as suppliers and customer organisations. The development and prototypical implementation of a distributed data acquisition infrastructure will be capable of integrating smart objects, enterprise data stores and sensor data. At the same time, by realising a semantically enhanced data processing backbone and defining data



InValue Platform High Level Architecture

delivery interfaces, the acquired data can be interpreted and homogeneously transferred to downstream business analytics services and operational service components. The service platform will be validated by means of three prototypes originating from different industrial domains to reveal the economic and societal potential of the solution.

PROJECTED RESULTS AND IMPACT

The envisioned InValue platform will enable not only consistent and end-to-end data management throughout the whole

production process, but also the technical and procedural integration of business partners along the value chain with the company's internal data management system, while ensuring intellectual property rights and data integrity. InValue will enable companies to build specific applications on a shared information architecture that encompasses new relationships between business partners and customers, finally implementing the "boundless enterprise" paradigm.

**Project start**

July 2014

Project leader

Arda Güreller, Ericsson Ar-Ge

Project website<https://itea3.org/project/invalue.html>**Project end**

June 2017

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