AREAS OF APPLICATION

The methodology was developed based on steel manufacturing processes, but can be applied more broadly within different process industries. Success is mostly based upon the maturity level of the organization and the consequent quality of the necessary process parameters data and other relevant inputs, related to processes. The approach can be utilized by the companies directly in order to concretize their digital ambitions, and moreover it can be used by the counselling companies to develop digital transformation services for the end customers.

CONTRIBUTING PARTNERS

Siemens d.o.o., Jožef Stefan Institute, VDEh-Betriebsforschungsinstitut GmbH, Fundacion Azterlan, K1-MET GmbH, University of Ljubljana, SIJ Acroni d.o.o., Voestalpine Stahl Gmbh, Eibar Precision Casting sl

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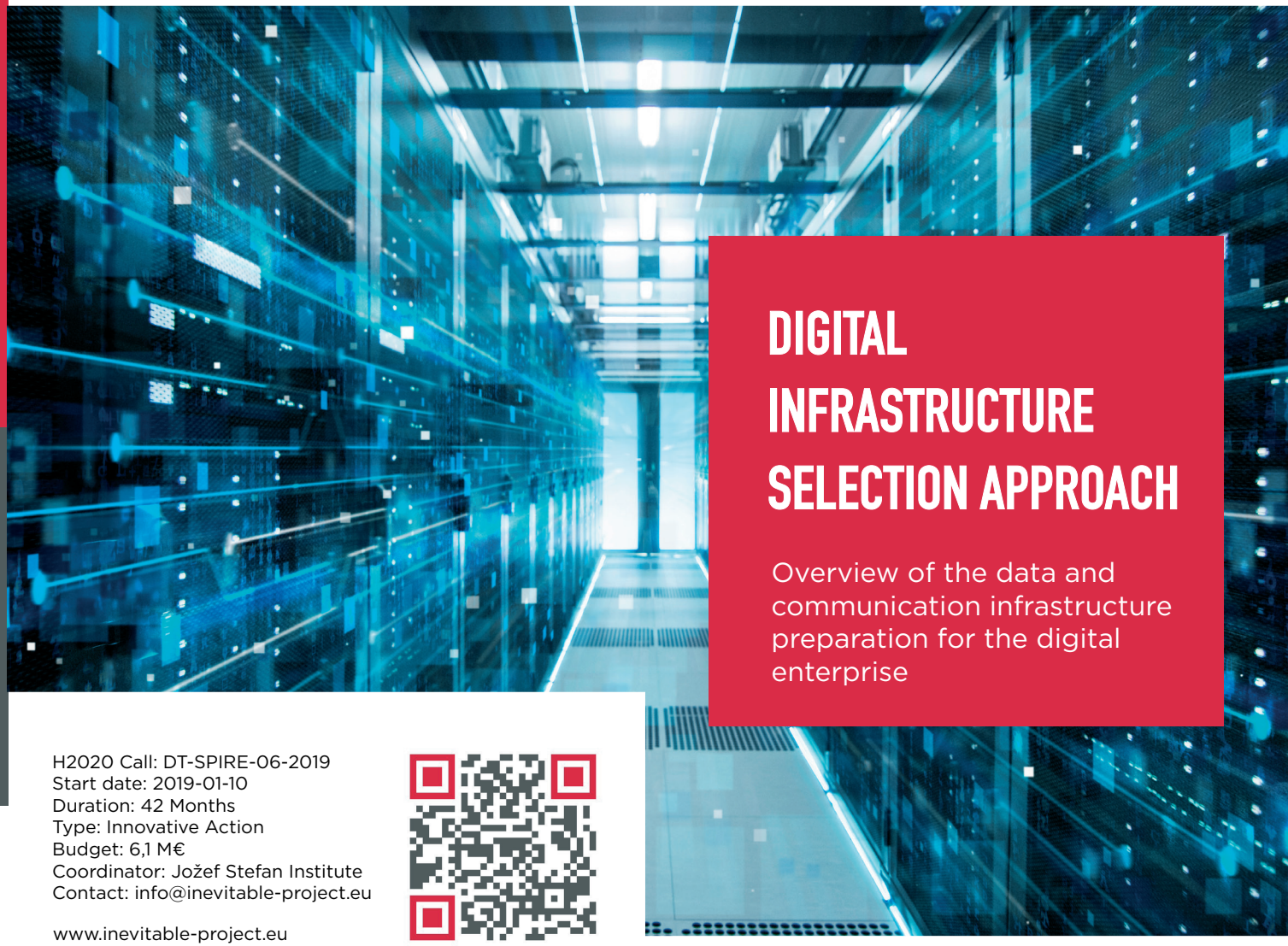
INEVITABLE



DIGITAL INFRASTRUCTURE SELECTION APPROACH

Overview of the data and communication infrastructure preparation for the digital enterprise

H2020 Call: DT-SPIRE-06-2019
Start date: 2019-01-10
Duration: 42 Months
Type: Innovative Action
Budget: 6,1 M€
Coordinator: Jožef Stefan Institute
Contact: info@inevitable-project.eu

www.inevitable-project.eu

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European Commission | SPIRE

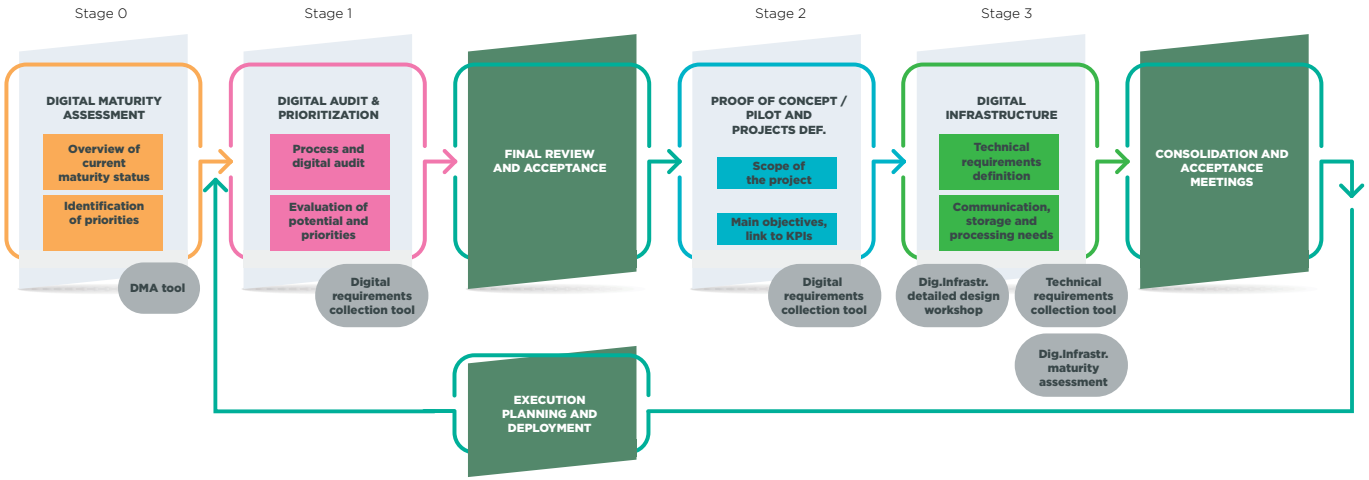
APPROACH

When setting up the digitalization infrastructure, technical requirements need to be aligned with process and organizational requirements, to ensure the proper platform for digitalization. Choosing the right platform for the digital infrastructure can be challenging and appropriate steps need to be taken, to make sure the selected platform can fulfil the actual requirements. Existing digitalization solutions used by the companies are very often the result of years of evolution, a "slide" into digitalization rather than planned implementation.

SOLUTION

The methodology developed as part of the INEVITABLE project aims to guide companies along the steps to select appropriate digital infrastructure. The approach consists of several steps where the needs of the digital platform are systematically reviewed by collecting and validating information. With it the company is able to review the digital maturity of their processes, formalize targeted objectives and prepare a proof of concept for the required digital infrastructure.

The steps are performed sequentially with multiple checkpoints that provide the necessary verification and acceptance. The approach integrates tools already available (i.e. DMA tools, Digital Readiness Diagnostic), proposes an additional tool for infrastructure information collection and integrates the whole process into a systematic step-by-step approach. The approach is demonstrated in very demanding INEVITABLE use cases, where high-value equipment is in use for many years and its digital upgrade is evolving at different pace.



NOVELTY

The project approach goes beyond the initial digital maturity assessment and tends to support further definition and preparation of concrete actions needed to select and integrate an appropriate digital platform. The methodology guides companies to systematically review their digitalization status and identify steps to select and implement an appropriate digital infrastructure.