Co-funded by the European Union

# DigiChecks

# Digital environment for management of permits and compliance in building and construction

## A European project to develop a new Digital Framework to manage permits and compliance checks in the construction industry

The **DigiChecks** project is based on the following steps:

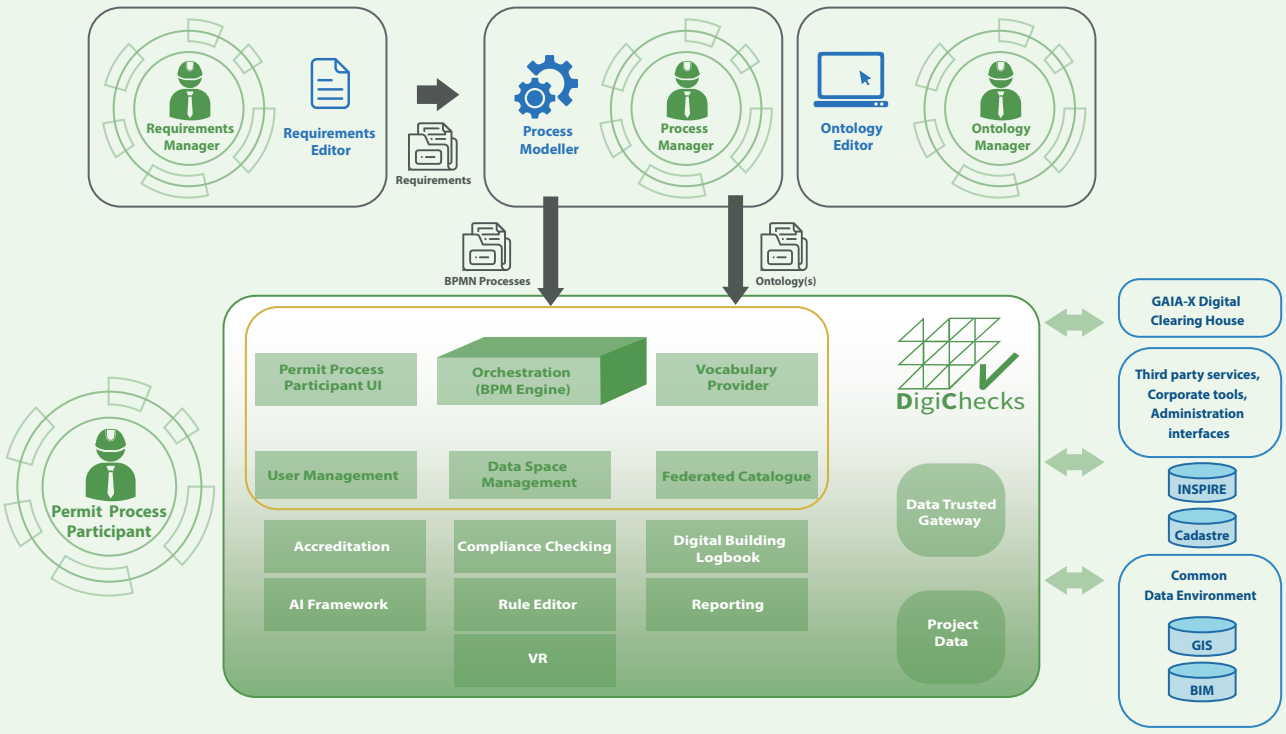
**1 ONTOLOGY — Permit Ontology:**
Create a shared language for the permit processes to improve communication between all actors involved.

**2 PROCESSES — Digitalisation Permit Processes:**
Developing a tool for actors to model their processes within **DigiChecks.**

**3 RULES — Building Permit Rules:**
Allowing actors to establish their own rules for permitting, using different services.

**4 API — Integration:**
Transforming the solution into a service through an Open API incorporating the previous steps.

*DigiChecks Architecture*




**Pilot scenarios:**
The project proposes three pilots in different construction environments to validate **DigiChecks** in permits and complicate checks, involving applicants and approvers of the process.


1 CIVIL ENGINEERING SCENARIO, UK


2 BUILDING FOR RESIDENTIAL USE, SPAIN


3 BUILDING FOR OFFICE USE, AUSTRIA

**Objectives:**
The **DigiChecks** project aims to establish a framework of interoperable connections and services based on trusted data exchange, redefining the permitting process through a digital platform for platforms. **DigiChecks** permits-for-all approach will be applied in different types of projects, entities, or countries, validating processes between construction industry actors.

**Expected Outcomes:**
The expected project short and medium-term impacts are increase efficiency, reduce errors, automate permits and enhance resource efficiency in construction. In the long term, **DigiChecks** will transform Europe into a circular, climate-neutral economy, promote open strategic autonomy and contribute to building a more resilient, inclusive and democratic society.

# Project participants:

**Coordinator: FCC Construcción**
**Participants**: Realia Business, Fundación Tekniker, IDP Ingeniería y Arquitectura Iberia, Ayesa, Instituto Ibermática de Innovación Building Digital Twin Association, Neanex Technologies, Digital Construction, Bureau Veritas Construction, CREE Buildings, Universiteit Gent, Semmtech and PKF Attest innCome

## Logos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## Funding details:

**Call:** HORIZON-CL4-2021-TWIN-TRANSITION-01-10

**Grant Agreement ID:** 101058541

**Budget:** 6.5M€ / **Grant**: 5.1M€

**Duration:** 36 months


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This Project has received Funding from the European Union´s Horizon Europe research and innovation programme – Project 101058541 — DigiChecks

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