

# RoBétArmé

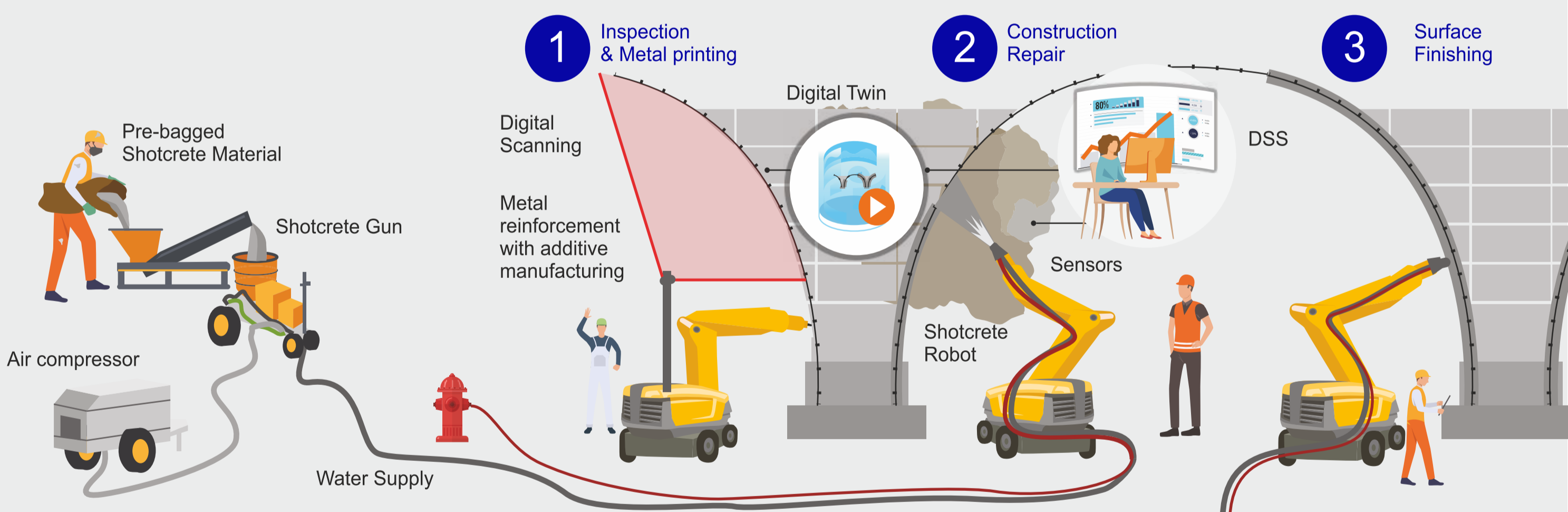
collaborative construction mobile manipulators

RoBétArmé will develop collaborative construction mobile manipulators

**I** **Inspection  
Reconnaissance  
manipulator (IRR)** to address fast, high precision modelling and rebar reinforcement through metal additive manufacturing in the preparatory phase;

**II** **Shotcrete and  
Finishing mobile  
manipulator (SFR)** to address autonomous shotcrete application and surface finishing during the construction and finishing phase, respectively.

# The RoBétArmé Vision



RoBétArmé aims toward a step-change in **Construction 4.0** by automating particularly laborious construction tasks in all phases of shotcrete application.

## Project Facts

**Consortium:** 19 partners from 12 European countries  
**Program:** HORIZON EUROPE  
**Start:** June 2022

**Grant Agreement:** N° 101058731  
**Duration:** 42 months

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