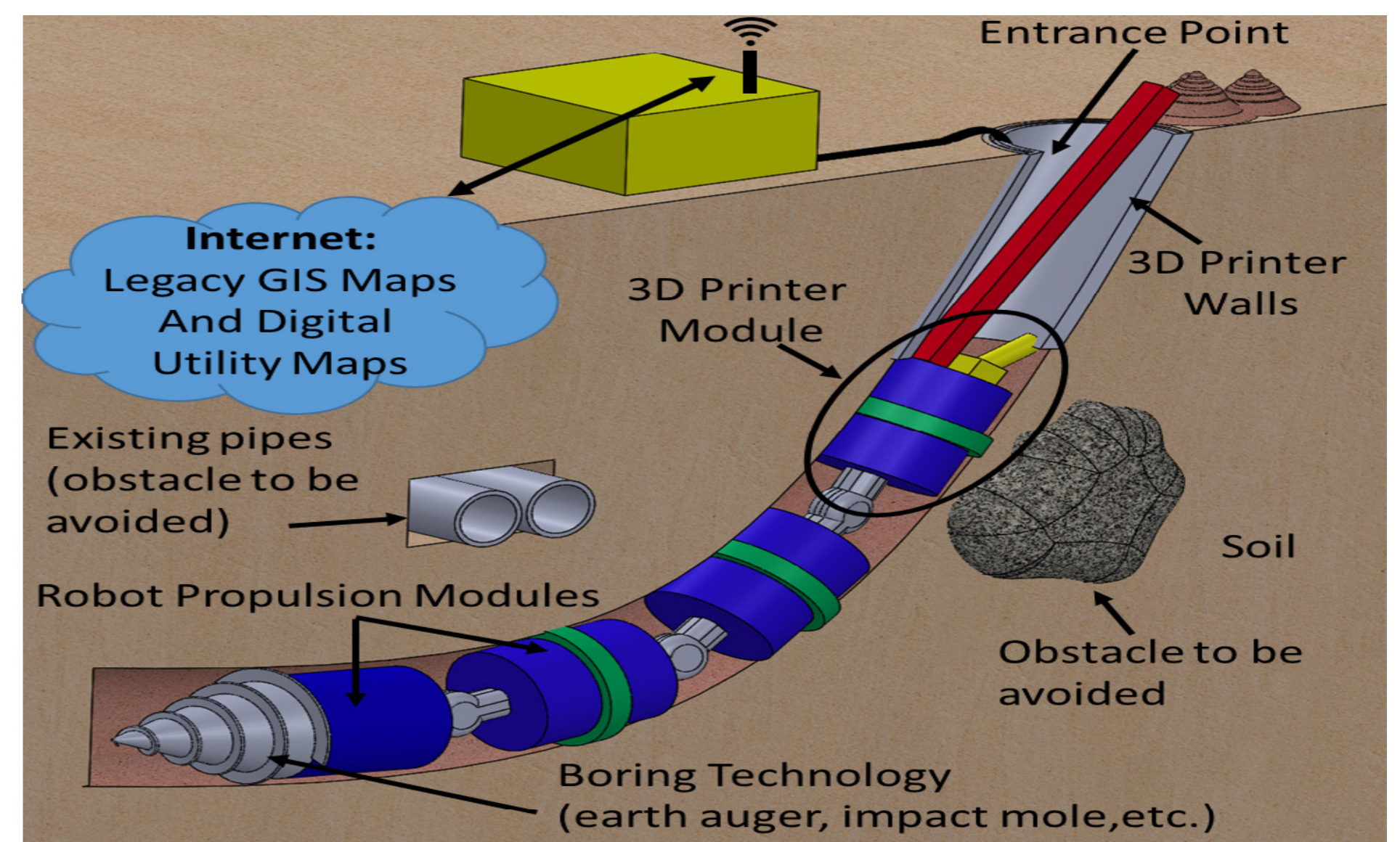




## Robot for Autonomous Underground Trenchless Operations, Mapping and Navigation

The goal of the project is the development of underground robotic system capable of:

- Trenchless drilling of subterranean curved small-diameter tunnels and capability for pipe installation
- Autonomous localization, mapping and navigation during its operation
- Intelligent location during operation to improve its perception and cognition abilities
- Less space for machine and machine equipment
- Increased maneuverability



The expected strategic impact of the BADGER project focuses on:

- Introducing advanced robotic technologies, including intelligent control and cognition capabilities, to significantly increase European competitiveness.
- Drastically reducing the traffic congestion and pollution in the European urban environments increasing, in this way, the quality of life of citizens.
- Enabling technologies for new potential applications such as search and rescue, mining and quarrying, civil applications, mapping, etc.



### Project facts

Consortium: 7 partners from 5 countries  
Start: January 2017  
Duration: 3 years  
Call: H2020-ICT-2016-1  
Project Nr: 731968  
Budget: € 3,7 M.  
Further info: [www.badger-robotics.eu](http://www.badger-robotics.eu)

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