Startup Europe Partnership

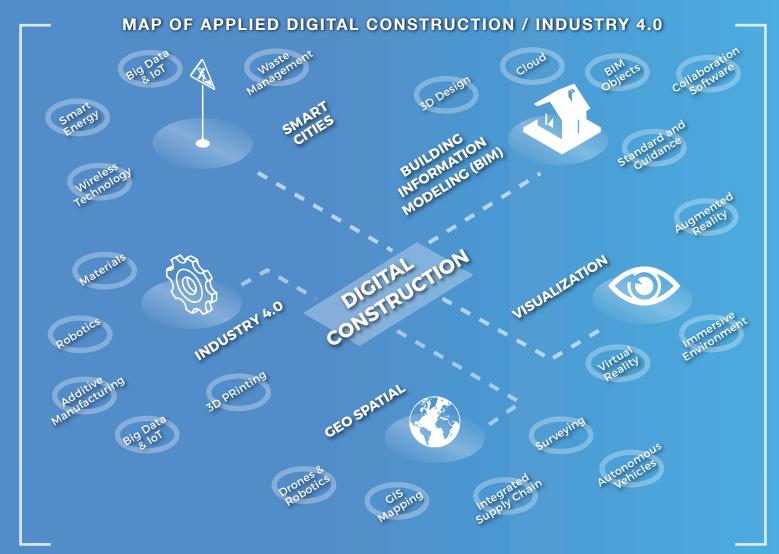
SEP RESEARCH HIGHLIGHTS Digital Construction & Industry 4.0

Digital Construction and Industry 4.0 refer to the leveraging of new technologies to improve the way construction and manufacturing cycles work. From planning, to modeling, supply chain and distribution, 3D printing, Virtual Reality (VR) big data and IoT have the potential to redefine how companies design, build and produce goods. The outcome is a smarter, leaner and more efficient processes and use of resources.

444 Scaleups in Europe*

\$10.2B Total Capital Raised*

AMOUNT OF CAPITAL RAISED PER GEOGRAPHY*









Startup Europe Partnership

SEP RESEARCH HIGHLIGHTSDigital Construction & Industry 4.0

INDUSTRY 4.0 KEY TRENDS



Sustainability: More of a requirement than a choice, sustainability will drive the development of new materials and decrease the waste produced by the industry.

3D printing: New and more resistant materials will improve and diversify the use of 3D printing in construction, lowering costs.



Virtual Reality: The use of VR during planning and modeling processes will decrease both costs and the overall time to realise the project. Furthermore, VR will enhance industry collaboration with more data exchange and benchmarking.

Augmented Reality: AR will allow builders to use AR lens' on the construction site in real time to plan and visualize the finished product.



Sensors: Companies will begin to use more sensors to monitor and measure all resources and phases in the supply chain.

Drones & Robotics: Precision mapping and imagery are improving through drone use and the development of robotics allows construction sites to become less dependent on human labor.

INTERNET OF THINGS Data: IoT will increase the amount of data available and provide real-time feedback to organizations.

The largest potential benefit is a more efficient uses of resources.

SEP SCALEUPS ON WATCH



Álleantia

Archon

Description

Founded: 2014 Key-words: Indoor positioning

Founded: 2011 Key-words: IoT Founded: 2014

Key-words: Augmented Reality, Eyegalss

Glass

Description

Alleantia provides the first plug & play offering that transforms any electronic device into a smart and connected device, 'Internet Ready', in seconds.

Key-words: UAV, Drones

Description

Archon is specialized in providing automated operations with UAVs. Its technology utilizes drones and recharging stations to reduce costs, decrease risks, and increase the quality of surveillance.

GlassUp develops augmented reality (AR) eyeglasses that display incoming messages by connecting to a smartphone via bluetooth.

Description

GiPStech develops solutions for indoo

OGIPS

on geomegratic folds



Founded: 2011 Key-words: IoT

Description

llocator provides smart solutions to collect, monitor and maintain infrastructure assets.



Founded: 2013

Key-words: IoT

Description

Stream Technologies is an advanced connectivity management platform that empowers the IoT deployments of global



Founded: 2009

Key-words: Cleantech/Energy Storage

Description

Sunamp designs, produces and sells modular Heat Batteries that store heat energy for a wide range of applications including energy efficiency,



Founded: 2014

Key-words: Lightning

Description

CoeLux is an optical system based on nano technology that artificially reproduces the natural light and visual appearance of the sun and sky.



Founded: 2014

Key-words: UAV, Drones

Description

places. Drones can be used safely insic cities, buildings, and in contact with peopl enabling interactions and services with UAV solving the issue of collision and injury risks.



Founded: 2012

Key-words: UAV, Drones

Description

Hemav develops, innovates, and commercializes UAV technology in order to offer integral solutions for civil UAV applications



Founded: 2011

Key-words: Smart Cities

Description

Triamant is an innovative living concept that focuses on cross-generational living, quality of life and tailored care. Triamant creates and manages lively neighborhoods that add life to the years and years of life.



Founded: 2010

Key-words: IoT

Description

to keep your equipment under control. Viloc also offers a plug-and-play LoRa certified tracker for wireless, low-power, low-cost asset management.





