

Future50

Built Environment

Low-GHG Construction Processes



Innotech



<https://www.innotech.om/>

#BuiltEnvironment
#ClimateTech

Highlights

Innotech indicates it has patented a 3D construction printer, which is part of its technology solution. The company participated in the **HSBC Social Impact accelerator by C3**³²⁵ and was recognised with the MENA Young Innovator Award 2019.³²⁶

Innotech is reported to have **secured investment with ITHCA Group**³²⁷ (formerly Oman Information and Communication Technologies Group) as part of its strategy to expand the use of the 3D-printing technology in real estate development.

Strategic alliances:

- Construction Company
- Oil & Gas Company
- Consulting Firms

List impact technologies

CCUS, Low-GHG Concrete, Smart Buildings

Headquarters:

Oman

Middle East operational countries:

Saudi Arabia

Summary

Innotech has developed a technological solution, which includes **3D construction printing**, that aims to **reduce the amount of cement used per building by using clay and limestone**.

Innotech has applied the same approach, which they say allows them to redesign the structure of buildings to increase energy efficiency and reduce the amount of power needed for air conditioning to maintain temperatures.

Impacts

The reduced demand of **traditional cement used in construction** in turn reduces the carbon emissions.³²⁴ Innotech suggests that the 3D-printing process can also reduce the amount of timber required in the construction process.

