

3D printing houses from mud, straw and rice husk materials are cheaper than the iPhone

WASP, an Italian 3D printing company, recently built a house with 3D printing technology with the main materials being mud, straw and rice husk.

WASP, an Italian 3D printing company, recently built a house with 3D printing technology, with the main materials being mud, straw and rice husk to help reduce costs significantly. In addition to the main material, the foundation of the house is still made of concrete tape and the roof is made of wood.

The test house has an area of 20m², with a total cost of about 1,000 USD (lower than the price of an iPhone) with construction time of about 10 days.



WASP CEO, Massimo Moretti, said the raw mixture obtained after putting dry, natural materials such as rice straw and rice husks into a wet mill achieves uniform consistency to minimize shrinkage, achieve mechanical strength for the layers of walls and good resolution in print texture.

Prior to WASP, scientists from Estonia's Tartu University and Estonia's University of Life Sciences also took advantage of crushed peat, oil shale ash and silica nanoparticles to develop into a type of construction material. 3D printable concrete.

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