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MRB Robotics builds first 3D printed homes in North Texas

This home is a modern three-bedroom, two-bathroom design in the Cedar Cove subdivision near Cedar Creek Lake.



Homes built by a robot designed by MRB Robotics, LLC exemplify the capabilities, cost savings and freedoms associated with 3D homes printed by a robot. (Courtesy / Dallas Builders Association)



By Dallas Builders Association
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The Dallas Builders Association's Home of the Week features the latest in construction technology: the first 3D printed home in North Texas.

This home – built by a robot designed by MRB Robotics, LLC – exemplifies the capabilities, cost savings and freedoms associated with 3D homes printed by a robot.

The home, one of two built by MRB Robotics in this area, is a sleek and modern three-bedroom, two-bathroom design in the Cedar Cove subdivision near Cedar Creek Lake. The open layout of the kitchen, dining and living rooms and the 9-foot ceilings make the home spacious and comfortable. It was fully constructed in less than 28 hours of total print time and is innovative and energy efficient.

The 3D technology, the first of its kind in North Texas, is a major advancement in modern architecture, said a company spokesperson. The technology allows the interior and exterior of the home to be built of concrete, which eliminates the need for lumber, Sheetrock, brick, siding or interior finish-out. Because of the concrete design and the robotic capabilities, creative designs are limitless, said the spokesperson. If you want a house in the shape of the state of Texas, it can be done.

But it goes beyond design. These homes are structurally sound. The foundation and walls are structurally engineered using specialized knowledge in construction and concrete sciences. This expertise will continue to improve in cost and creativity.

The benefits of 3D concrete printing over traditional construction are numerous. The homes are wind resistant, fire resistant, mold resistant and termite proof.

Even more importantly, the homes will soon be substantially less expensive to build than brick-and-mortar homes, said the spokesperson.

MRB Robotics LLC, based in Princeton, Texas, is one of a few companies in North America that utilizes 3D concrete printing technology. This cutting-edge technology is the future of residential and commercial construction. MRB is not stopping with residential construction. The company is building a 14-unit self-storage facility featuring a 25-foot wave wall with vase-like contours.

For more information, contact Craig Pettit at craig@mrbrobotics.com or 214-750-4858.

This Home of the Week is presented by the Dallas Builders Association. For information on the association, visit www.dallasbuilders.com.



Dallas Builders Association