

# Irish Tech Company Pioneers European Social Housing with 3D Printing

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**Harcourt Technologies Ltd. (HTL.tech) has made history by completing Europe's first social housing project utilizing 3D-printing technology. Located in Grange Close, Ireland, the project demonstrates the potential of this innovative construction method to revolutionize the housing sector.**

Utilizing the COBOD BOD2 3D printer, HTL.tech successfully constructed the housing units in a remarkably short timeframe of 132 days. This represents a significant achievement, as similar projects using traditional construction methods typically require over 200 days to complete, translating to a 35% reduction in build time.

"This project marks a significant milestone for the construction industry," said Justin Kinsella, Director of HTL.tech. "We are proud to be at the forefront of this innovative technology, showcasing the potential of 3D printing to deliver faster, more efficient, and potentially more sustainable housing solutions."

3D-printed housing has gained traction globally, with notable projects emerging in Texas, Guatemala, and Tanzania. This technology offers several potential advantages, including reduced construction time and minimized environmental impact. The construction industry contributes significantly to environmental concerns, accounting for a substantial portion of global air pollution, water contamination, and landfill waste. 3D-printed structures can minimize these impacts by reducing construction waste and utilizing more efficient building processes.

While 3D-printing offers promising advancements, it's crucial to acknowledge the potential impact on the construction workforce. As with any technological advancement, there are concerns about the potential displacement of traditional construction jobs. However, it's important to note that current 3D-printing technology has limitations, such as restrictions on building height and the inability to integrate complex

systems like electrical wiring and plumbing.

This pioneering project by HTL.tech demonstrates the potential of 3D-printing technology to revolutionize the construction industry and address critical housing needs. As the technology continues to evolve and overcome its current limitations, it is poised to play an increasingly important role in shaping the future of sustainable and efficient construction.