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Notice Regarding Lib Work's 3D-Printed Housing Initiative Featured in Newsweek International

Lib Work Co., Ltd. (the "Company") hereby announces that its initiative involving "Lib Earth House 'model B,'" a model home built by the Company using 3D printing and a soil-based material, has been featured in the global news publication Newsweek International.

The article, titled "Lib Work Reimagines Japan's Housing Future with 3D Printing," highlights the Company's efforts to advance a new approach to homebuilding through 3D-printing technology and digital transformation (DX), in response to challenges facing Japan's housing industry, including population decline, a shortage of skilled construction workers, and rising prices for imported building materials.

The article also introduces the Company's development of environmentally responsible 3D-printed homes made primarily from soil, its initiatives to improve productivity and reduce CO₂ emissions in home construction, and its efforts to transform the housing industry through AI and digital technologies.

This feature demonstrates the growing international attention being given to the Company's 3D-printed housing initiative. The Company will continue working toward a sustainable, next-generation housing industry by leveraging AI, digital technologies, and 3D-printing technology.

Details

1. Publication Overview

Publication	Newsweek International
Publisher	Newsweek Publishing LLC
Publication date	July 24, 2026
Article title	Lib Work Reimagines Japan's Housing Future with 3D Printing
Web page	https://d.newsweek.com/en/file/479446/japanese-innovation-reshapes-construction-across-asia.pdf



(Cover of Newsweek International)

2. Features of “Lib Earth House ‘model B’”

“Lib Earth House ‘model B’” is Japan’s first approximately 100-square-meter 3D-printed home made primarily from soil. Its walls contain no cement and are made from a sustainable earthen material composed exclusively of soil-based and naturally derived ingredients. The walls achieve approximately five times the strength of the previous model (model A), which used a small amount of cement. In addition, based on the Company’s calculations for a 100-square-meter home, the model reduces CO₂ emissions by approximately 50% compared with a reinforced-concrete (RC) home. This is even lower than the emissions of a typical wooden home, substantially reducing the CO₂ impact of the manufacturing process itself and making a significant contribution toward a carbon-neutral society. On December 3, 2025, the Company also obtained a patent for a formulation technology for a new soil-based building material. Going forward, the Company aims to achieve fully automated home construction by applying AI technology throughout the process, from design to construction.

Feature	Benefit
Environmentally responsible, soil-based material containing no cement	Helps reduce waste and CO ₂ emissions
Design flexibility	Enables organic curves and designs that are difficult to achieve using conventional construction methods
In-wall condensation monitoring system	Monitors temperature and humidity inside the walls in real time
Smart IoT equipment	Air conditioning, lighting, the bathroom, and other systems can be controlled remotely via a smartphone or dedicated monitor, significantly improving convenience and comfort
Off-grid system combining Tesla Powerwall battery storage with solar panels	Enables energy self-sufficiency without reliance on a power utility

3. Impact on Business Performance

The impact on the Company’s earnings forecast for the fiscal year ending June 2027 is expected to be immaterial. The Company will promptly disclose any matter requiring disclosure should it arise.

Through this initiative, the Company will contribute to achieving the following Sustainable Development Goals (SDGs): Goal 3, Good Health and Well-being; Goal 11, Sustainable Cities and Communities; Goal 12, Responsible Consumption and Production; Goal 13, Climate Action; Goal 15, Life on Land; and Goal 17, Partnerships for the Goals.

