

A composite image featuring a drone in the upper half and a field of green plants in the lower half. In the background, a window with a grid pattern is visible. The drone is a quadcopter with a camera attached. The plants are small and green, growing in rows. The overall image has a dark, moody atmosphere.

AI-Designed Wheelchairs in Armenia

A breakthrough in adaptive sports tech, built for global use

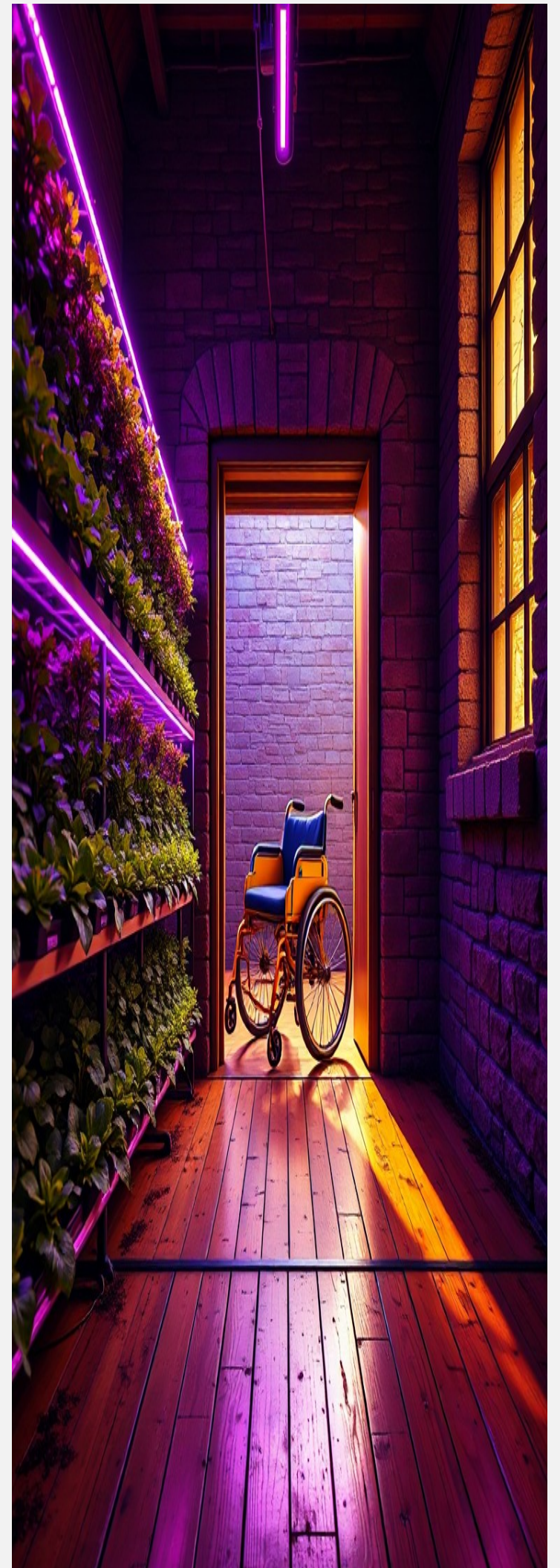
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Eight

Athletes

The number of Armenian athletes who played in the country's first-ever wheelchair rugby match using kirigami-designed wheelchairs.

This historic game marked the debut of a new generation of adaptive sports equipment engineered for low-cost, high-durability performance. The wheelchairs, developed through a kirigami-inspired design, were assembled in under four hours on-site — a feat made possible by modular, laser-cut sheet metal components that require no specialized tools or existing manufacturing infrastructure.



01

Modularity Enables Global Scalability

The fact that the chairs were assembled by a mixed team of engineers and non-engineers in a stone gym with no power tools underscores a critical insight: human ingenuity, not just AI or robotics, drives real-world deployment.

02

Speed Over Specs Drives Adoption

The success of the rugby match was not due to flawless engineering, but to a system that prioritized assembly speed, modularity, and user feedback — principles that should inform AI-driven AgTech solutions in developing regions.

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