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## SINGAPORE HIGHLIGHTS

**First 3D-Printed House**

QR3D, the first 3D-printed house in Singapore, is a working, breathing home designed around light, air, and lived experience. Built as a semi-detached residence, the project partnered with local concrete printing specialist [CES\\_InnovFab](#) to split construction between on-site printing and off-site prefabrication. [Read more.](#)

**Innovative Approach to Diabetic Foot Care Through 3D-Printed Custom Insoles**

[Sengkang General Hospital](#) in collaboration with [Singapore General Hospital's 3D printing centre](#) has piloted an innovative approach to diabetic foot care through in-house production of 3D-printed custom insoles, that significantly reduces waiting time for insoles from 2 months to 1 week. [Read more.](#)

**AI and Additive Manufacturing – A Game Changer for Mencast Marine**

[Mencast Marine](#), Singapore's sole propeller designer, manufacturer and repairer, injects artificial intelligence and additive manufacturing into its operations. Partnering with [Enterprise Singapore](#) and the [Agency for Science, Technology and Research](#), this is part of Mencast's foray into what it deems the silicon economy. [Read more.](#)

## INDUSTRY HIGHLIGHTS

**Fizik Demonstrates Scalable Personalisation for Cycling**

[Fizik](#), a cycling brand, developed a one-to-one custom saddle programme that seamlessly integrate dynamic rider data, automated design, and additive manufacturing. This 2025 EUROBIKE award winning programme developed in collaboration with [gebiMized](#) and [Carbon](#), exemplifies scalable personalisation in performance cycling. [Read more.](#)

**NASA's GRX-810 Moves From Lab to Industrial Applications**

[NASA](#) recently announced that GRX-810, a 3D printing alloy developed at NASA's Glenn Research Center, is now being manufactured at scale and tested in real-world aerospace applications by [Elementum 3D](#). [Read more.](#)

**China Completes Test Flight for Fully Printed Turbojet Engine**

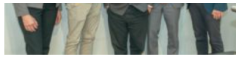
The [Aero Engine Corporation of China](#), a state-owned aerospace propulsion manufacturer, has successfully completed a test flight of its first entirely 3D-printed turbojet engine. The flight occurred in the Inner Mongolia Autonomous Region and reached an altitude of 4,000 meters. [Read more.](#)

**3D-Printed Swiss Ice Cream Shop**

Gelateria Mulegns, is a new experimental ice cream shop in the alpine village of Mulegns, Switzerland. Its colourful dome is made from over 250 square meters of 3D-printed recycled plastic. This project is part of an experiment in sustainable architecture and digital design. [Read more.](#)

**Capgemini joins AM I Navigator**

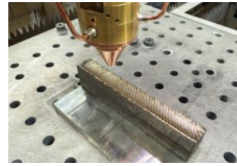
[Capgemini](#) announced its participation to the AM I Navigator initiative, a joint initiative of [DyeMansion](#), [EOS](#), [HP](#), [BASF Forward AM](#) and [Siemens](#), to advance the industrialisation of additive manufacturing and guide



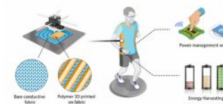
companies through every step of their additive manufacturing transformation. [Read more](#)

### New Titanium Alloy 29% Cheaper to 3D Print

Researchers from [RMIT University](#) have outlined their methodology for a time- and cost-effective approach to selecting alloying elements aimed at optimising metal additive manufacturing. With their design framework, they have developed a new titanium alloy that is reported to be 29% cheaper than Ti-6AL-4V to 3D print. [Read more](#).

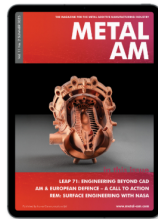


### Direct 3D Printing on Conductive Fabric for Power Harnessing



### 3D-Printed Fabrics For Energy Generation

Researchers from [Atlantic Technological University](#) published a [study](#) demonstrating a method to produce 3D printed textiles that generate electricity from everyday movement, while avoiding adhesives or complicated processing steps. [Read more](#).



### Now available: Summer 2025 edition of Metal Additive Manufacturing magazine.

The latest issue of Metal AM magazine is out now – 188 pages of expert insight into the technologies, strategies, and companies shaping the future of metal Additive Manufacturing.

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- Strategic perspectives on global defence AM investment
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- WAAMathon #2: The state of large-format Wire Arc AM
- Enhancing DED productivity and sustainability
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## UPCOMING EVENTS



Themed "Unlocking Agility and Scale with Digitalisation and Additive Manufacturing", the 14th Global AM Summit will feature topics on how additive manufacturing and digital technologies are transforming industries, enabling scalable production, and driving circular economy manufacturing. Register [here](#).

Discover breakthrough additive manufacturing innovations across key sectors such as aerospace, healthcare, semiconductor, and more at ITAP 2025 – Asia Pacific's leading advanced manufacturing event. Don't miss the Additive Manufacturing Learning Journey, co-presented by NAMIC, featuring hybrid 3D printing technologies, cutting-edge machines, and service bureaus. Register [here](#).



AM Conclave Middle East is an initiative to bring the entire Additive Manufacturing and 3D Printing ecosystem in the Middle East on one platform. The event will feature application and technology focussed conference mapping the latest developments and trends in the world of Additive Manufacturing. Register [here](#).

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