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AM Matters

Q2 2026

Singapore Highlights



Singapore's First 3D Concreted Bridge in 2028

Singapore's first 3D-printed concrete pedestrian bridge, 10m length and 5m wide, is currently undergoing scale model testing and set to be open in 2028. This pilot project is part of the efforts to improve construction productivity in labour-scarce Singapore.

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Singaporean designer debut Met Gala with Customised 3D-Printed Fashion Piece

Singaporean fashion designer Grace Ling, made her debut at Met Gala in New York City with a customised 3D-printed bodice made from aero-aluminium and chrome finishing, paired with a Charles & Keith custom shoes. The outfit took about 3 weeks to produce instead of the typical 6 months for her couture.

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Advancing a Digital Additive Manufacturing Part Passport Framework

As supply chains become increasingly distributed, the need for a unified approach to digital traceability, interoperability and quality assurance has never been more critical. A NAMIC-funded project, led by AIC and A*STAR SIMTech, is working to establish a comprehensive framework model to document data for additively manufactured parts.

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Industry Highlights



Study on Additive Manufacturing benchmarked against injection moulding

Researchers at Sungkyunkwan University's School of Mechanical Engineering published a peer-reviewed study benchmarking additive manufacturing processes against injection moulding, showing AM's competitive edge in mass customisation, faster iteration, and lower tooling barriers for personalised production.

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3D-Printed Miniature Playground City in China

Bambu Lab partnered with meland to showcase "CyberBrick City", a creative-scale 3D-printed miniature playground city in China, highlighting how accessible desktop systems can drive community engagement and experiential design.

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How can we evaluate Additive Manufacturing's true resource efficiency?

The Additive Manufacturer Green Trade Association (AMGTA) released its latest report, consisting of a framework for evaluating additive manufacturing as a resource-efficient production process with a holistic approach. It outlines how AM should be evaluated at multiple levels, including part, system, and enterprise.

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\$4M Supercar Gets a 3D-Printed Titanium Exhaust

Apollo Automobil engineered a large one-piece 3D-printed titanium exhaust for its upcoming Evo supercar. The exhaust is made to withstand temperatures up to 1000°C and takes 123 hours to print one unit with scale pattern designed to improve heat distribution across the system.

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BLT and Siemens to Advance Digital Factories for Additive Manufacturing

BLT and Siemens signed a Strategic Cooperation Agreement to advance digital factories for additive manufacturing, integrating software and metal AM systems to accelerate industrialisation and scalable production readiness.

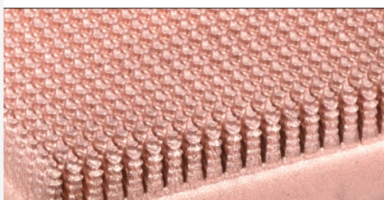
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Toyota and Wipro 3D to Establish AM Center of Excellence in India

Toyota Kirloskar Motor and Wipro 3D signed a Memorandum of Understanding to establish an Additive Manufacturing Centre of Excellence (AM CoE) in Bidadi, India. The AM CoE will play a role in nurturing talents and support rapid prototyping development of assembly aids, and on-demand parts.

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3D-Printed Copper Cold Plates for Data Centers

Fabric8Labs and the University of Illinois announced a collaboration on direct-to-chip 3D-printed copper cold plates for data center thermal management. The findings delivered a 32 percent improvements over other finned cold plates and a superior method for lowering long-run data center operating costs while maintaining a more sustainable carbon footprint.

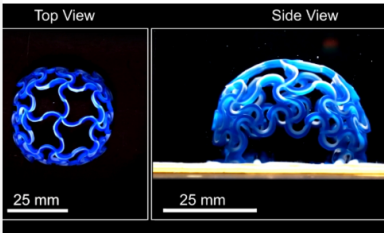
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Rolls-Royce Opens New Additive Manufacturing Cell in Bristol

Rolls-Royce opened a new Additive Manufacturing Development Cell at its Defence Assembly and Operations facility in Bristol. The development cell will focus on the production of critical parts for next-gen aircraft engines, enable faster development cycles and part delivery timeframes, as well as achieve greater cost efficiencies.

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A Novel Method to 3D Print Motion into Materials

Researchers at Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) developed a novel way to 3D print motion into materials. The result is a self-moving material that bends, twists, and contracts without motors or traditional mechanical systems.

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Integrating Additive Manufacturing Helped Cut Production Lead Time by up to 50 Percent

Eurobearings, an Italian manufacturer for bearings, integrated additive manufacturing technology to manufacture and repair large-scale components faster and more efficiently than before, cutting production lead time up to 50 percent on complex components.

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Events

Calling all pioneers of a sustainable tomorrow! Join us for



Climate Impact Innovations Challenge

Presented by   

Submit your innovations before **20 June 2026** at climateimpactinnovations.com

Win a total prize pool of **Rp 15 billion**
With a special award of **pre-purchase carbon credits***
*worth up to US\$1M for selected finalists

The 2026 focus tracks:

-  Energy Transition
-  Food & Nature Solutions
-  Circular Economy

The Climate Impact Innovations Challenge (CIIC) returns for its fourth edition, presented by East Ventures, Temasek Foundation, and Tencent. This year features an expanded prize pool of Rp15 billion to accelerate impactful environmental solutions. Selected finalists will be eligible for a special award of up to US\$1 million in pre-purchased carbon credits to further support their ecological objectives.

[Click for more details](#)



The CDFAM Washington, 2026 Computational Design Symposium is a two day program that will showcase leading experts in computational design across all scales—from micro to mega. This year's agenda connects industry to government and continues where CDFAM Barcelona left off.

[Event website](#)



From digitalisation, automation to sustainability and supply chain optimisation, the Annual Manufacturing Excellence is packed with insights you need to future-proof your operations. NAMIC's Director, Dr Jeanne Ong, will also be giving her insights into the new triad of manufacturing competitiveness. Quote "SP20" for a 20% discount.

[Event website](#)



Formnext Asia Shenzhen showcases products and technologies across the entire additive manufacturing process chain, from pre- to post-production. The 2026 edition will also expand beyond its existing product coverage to include a wider range of advanced manufacturing solutions, including digital production, automation and precision forming.

[Event website](#)

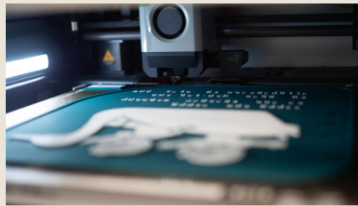


As the largest manufacturing technology trade show in the Western Hemisphere, IMTS draws the innovators, sellers, and drivers of manufacturing technology together to connect, be inspired, and find new solutions. Industry players gather to discover the latest innovations and technologies changing our future through advanced manufacturing, robotics, automation, and digital transformation.

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