

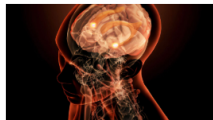
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AM MATTERS
Q1 2025

Supported by National Research Foundation

SINGAPORE HIGHLIGHTS



[Osteopore's](#) craniomaxillofacial and oculoplastic implants have been added to the Implant Subsidy List by the Ministry of Health in Singapore. This inclusion is a significant step forward in enhancing patient care and optimising healthcare resources in the public sector. [Read more.](#)



Scientists at [Nanyang Technological University](#) have developed a 3D concrete printing method that captures carbon by injecting steam and carbon dioxide. This new method offers increased strength compared to conventional 3D printed concrete. [Read more.](#)



[NAMIC Hub@SIT](#) and [Rainshadow Studios](#) collaborated for Scarce City, an immersive exhibition using 3D printing and body tracking to explore scarcity and climate change through interactive art and technology. [Read more.](#)

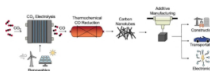


[Sonogo Design](#), founded by a Singaporean student Jovi Lim, is a testament to his passion for interior design and aesthetic home decorations enabled by 3D printing technology. [Read more.](#)

INDUSTRY HIGHLIGHTS



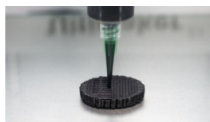
[energize.am](#), a consortium dedicated to revolutionising energy systems through additive manufacturing has been established. The consortium aims to increase efficiency, sustainability and reliability across all energy supply chains to create a ripple effect that will improve the entire ecosystem of supply chain globally. [Read more.](#)



[Washington University](#) researchers published a study that describes a potentially groundbreaking process of converting carbon dioxide into 3D-printed carbon nanocomposites. This integrated system could be a game changer to make impactful global carbon emission reduction efforts. [Read more.](#)



[Oak Ridge National Laboratory](#) has successfully tested a 3D-printed specimen capsule for use in the lab's High Flux Isotope Reactor. The capsule, powder bed fusion printed, endured the conditions within the reactor for almost a month. [Read more.](#)



Researchers at [Empa](#) have discovered a new capability of fungi as electricity generators which could be a significant step towards sustainable power supply. A 3D-printed mushroom battery generated enough power to last a temperature sensor for several days. [Read more.](#)



Researchers from the [Southern University of Science and Technology](#) in Shenzhen and the [City University of Hong Kong](#) have unveiled a design and manufacturing strategy for high-performance thick-panel origami structures using multi-material 3D printing. This design allows the structure to support over 11,000 times its weight. [Read more.](#)



[3D Systems](#) and [Daimler Truck and Buses](#) announced a partnership to decentralise production, allowing on-demand part production for a more efficient supply chain for repair and maintenance. With this partnership, certified partners in Daimler Buses' network can print the required parts locally. [Read more.](#)



SPFEE3D, an Australian metal 3D printer manufacturer, has proven its Expeditionary Manufacturing Unit's ability to operate in sub-zero temperatures, addressing and potentially improving remote manufacturing in extreme environments. [Read more.](#)

Rolls-Royce has started a recycling initiative that turns old Royal Air Force Tornado components into metal powder to additively manufacture the new parts for the company's Orpheus small engine concept. [Read more.](#)

UPCOMING EVENTS



TCT Asia focuses on real-world applications, targeted intelligence and information, aligned with the complete range of technology on the show floor presented by over 400 exhibitors. An innovative event experience with networking opportunities, practical takeaways and highly focused content to help participants evaluate, adopt and optimise their additive requirements. [Register here.](#)

Date: 17 to 19 March 2025
Venue: NECC Shanghai, China



Known as North America's largest additive manufacturing and industrial 3D printing event, RAPID + TCT provides an avenue to learn about the latest 3D technologies. You will witness groundbreaking product announcements, experience hands-on exhibits, learn real-world AM solutions from the industry's experts and network with thousands of industry peers. [Register here.](#)

Date: 8 to 10 April 2025
Venue: Detroit, United States



The 9th Annual Manufacturing Excellence is a platform to discuss and discover innovative solutions to tackle and close hidden gaps in the manufacturing sector. Speakers from international institutions, significant manufacturers, solution providers, and governmental organisations will share their perspectives on the future global manufacturing trends. [Register here.](#) Quote "NAMIC20" for a 20% discount.

Date: 7 to 10 April 2025
Venue: Singapore



Held together with Vietnam Industrial and Manufacturing Fair, 3D Print Fiesta will create the fairground for the entire 3D printing and Additive Manufacturing industry, offering you opportunities to connect, network and collaborate with the 3D printing community in Vietnam and the Southeast Asia region, building inter-industry relationships to strengthen your business outreach. [Register here.](#)

Date: 16 to 18 April 2025
Venue: Bac Giang, Vietnam

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