

[View this email in your browser](#)**AM MATTERS**
Q1 2024Supported by  

SINGAPORE HIGHLIGHTS



[Nanyang Technological University](#) and [Singapore General Hospital](#) tied up a joint R&D lab in additive manufacturing to explore 3D printing living tissues for regenerative medicine and developing 3D prosthetic and orthotic devices. [Read more](#).



[NAMIC Singapore](#) and [Valuence Ventures](#) have signed a Memorandum of Understanding to connect the deep tech innovation ecosystems in Singapore, South Korea, and North America. [Read more](#).

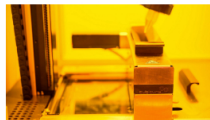
INDUSTRY HIGHLIGHTS



The [Helsinki Music Centre](#) debuted the world's first-ever 3D-printed biocomposite organ pipes in a grand celebratory concert led by French organist Olivier Latrys. The organ stands as a symbol of what can be achieved when art, technology, and environmental responsibility come together. [Read more](#).



[ExxonMobil](#) and [bp](#) has joined the Industry Collaboration Project, a joint effort by [Fieldnode](#) and energy operators to enhance supply chain resilience for the oil & gas industry by providing a network for the efficient supply of spare parts produced on demand, closer to the point-of-need. [Read more](#).



[Align Technology](#), the parent company of Invisalign, has completed the acquisition of [Cubicure](#), a pioneer in direct 3D printing solutions for polymer additive manufacturing to improve Align's intellectual property in direct 3D printing of dental appliances. [Read more](#).



[GKN Aerospace](#) has announced a £50 million investment in the company's additive manufacturing (AM) capabilities at its Sweden facility to enhance the sustainability of its overall operational footprint and accelerate AM's deployment for supply chain digitalisation. [Read more](#).



[Triastek's](#) T22 3D-printed gastric retention product is the first drug of its kind to receive Investigational New Drug clearance from the US FDA. The drug is designed to treat pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. [Read more](#).



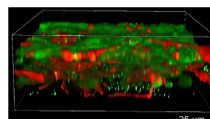
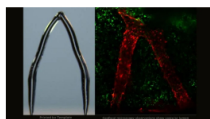
[Kallisis](#) has received FDA 510(k) clearance for its 3D printed oral stent solution, Stentra, which play a crucial role in protecting healthy tissue during radiation treatments for head and neck cancer patients. [Read more](#).



[Exaddon](#), a Switzerland-based micro 3D printing company, has developed the world's first 3D microprinted probes capable of fine-pitch probing at sub-20 µm pitch, offering benefits for the semiconductor industry. [Read more](#).



[Open Bionics](#), a UK-based robotics company, announced that its 3D-printed finger prosthesis, the Hero Gauntlet, was adopted by a hand amputee from London who has managed to regain the ability to perform a range of two-handed activities. [Read more](#).



[Carnegie Mellon University](#) researchers showed the possibility of using 3D ice printing to create structures that resemble blood vessels in the body, a significant step forward in creating complex, lifelike blood vessel networks for use in tissue engineering. [Read more](#)

[University of Wisconsin-Madison](#) researchers developed an approach for 3D printing functional human brain tissues. This can potentially provide an effective tool for modelling brain network activity under physiological and pathological conditions and serve as a drug testing platform. [Read more](#)

UPCOMING EVENTS



3D Printing for Fashion & Jewellery Seminar organised by the Singapore Centre for 3D Printing will exchange ideas and experiences of the 3D printing fashion and jewellery design workflows and share successful case studies by both local and international speakers. [Register here](#).

Date: 6 March 2024
Venue: MPH at Innovis, Singapore



The 6th edition of the SAMA Additive Manufacturing Conference will have industry leaders, professionals and experts sharing frontier views from various viewpoints of raw materials, core hardware & software, key processes and innovative applications. It is held within AM China 2024. [Register here](#).

Date: 6 to 8 March 2024
Venue: Shanghai World Expo Exhibition and Convention Center, China



TCT Asia offers an innovative event experience with networking opportunities, practical takeaways and highly focused content to help designers, engineers and buyers evaluate, adopt and optimise their additive requirements. [Register here](#).

Date: 7 to 9 May 2024
Venue: NECC 7.1 & 8.1H (Shanghai), China



The 20th edition of Rapid.Tech 3D offers a successful triad of specialist congresses, exhibitions and networking opportunities for the AM industry. It is also a meeting place for start-ups as well as for experts and industry giants of additive manufacturing. [Register here](#).

Date: 14 to 16 May 2024
Venue: Erfurt Trade Fair, Germany



Additive Manufacturing Expo is an exhibition for additive manufacturing and industrial 3D printing technology. It is part of the 10 specialised shows held within the Manufacturing World Japan, the largest manufacturing trade show in Central Japan. More information about the expo can be found [here](#).

Date: 19 to 21 June 2024
Venue: Tokyo Big Sight, Japan



RAPID + TCT 2024 is a three-day event featuring the latest in 3D-printing technology from the industry's leading product and service providers, a full schedule of speakers including a keynote series, and over 125 hours of educational content. The expansive show floor will showcase over 400 exhibiting companies' latest advancements. [Register here](#).

Date: 25 to 27 June 2024
Venue: Los Angeles Convention Center, USA

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