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**AM MATTERS**  
Q4 2024

Supported by  NATIONAL RESEARCH FOUNDATION  
FROM SECURITY TO INNOVATION

## SINGAPORE HIGHLIGHTS



The 13th edition of NAMIC's [Global AM Summit](#) concluded with more than 500 in-person and virtual delegates. The summit showcased how AM adoption transforms businesses, and how generative design, recycled materials, digitalisation and artificial intelligence interplay with AM to enable a more sustainable future. [Watch the recordings here.](#)



[Eng Teknologi](#) announced a partnership with [NAMIC](#) to focus on developing in-house additive manufacturing capabilities. This partnership will establish an Additive Manufacturing Technology Centre of Excellence in Singapore to support its innovation and product development activities in the ASEAN region. [Read more.](#)



[SkillsFuture Singapore](#), the [American Society of Mechanical Engineers](#) and [NAMIC](#) signed a Memorandum of Understanding and launched the National Additive Manufacturing Jobs-Skills Accreditation Framework (NAAF). This initiative will ensure local talents and enterprises receive holistic, internationally recognised, and industry-relevant AM training to support industry needs.



[Jaringan Semangat Sdn Bhd](#) and Digital Design Innovation Centre by [NAMIC](#) established a partnership to create a digital inventory which will be manufactured on-demand with hybrid AM technologies in Singapore. These parts will be used in the oil and gas sector, for end-users such as [PETRONAS](#), to ensure continued operability of their existing physical assets.



[UMAMI Bioworks](#) and [Steakholder Foods](#) announced the feasibility of producing 3D-printed cultivated fish products at scale after a two-year R&D collaboration. The companies plan to work with [NAMIC](#) to develop seafood products ready for commercialisation in Singapore and beyond. [Read more.](#)



[Hyundai Motor Group Innovation Center Singapore](#) announced a tripartite research center with [Nanyang Technological University](#) and the [Agency for Science, Technology and Research](#) to conduct research in innovative manufacturing domains such as AI, robotics, and 3D printing. [Read more.](#)

## INDUSTRY HIGHLIGHTS



[Lockheed Martin](#) has unveiled a 16,000 square feet expansion dedicated to additive manufacturing technology in its Texas facility. This expansion is aligned with their 1LMX



[BEAMIT SPA](#), a global leader in advanced manufacturing, has again secured Nadcap accreditation for AM with a merit distinction. This achievement reaffirms the

digital transformation initiative, which is to incorporate AM at the early stages of product development. [Read more.](#)

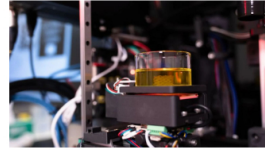


[Sperra](#), a concrete 3D printing company, focusing on constructing critical energy infrastructure has secured two significant contracts to expand its operations in this area. Sperra will be working on an international collaboration with [Fraunhofer IEE](#) and [PLEUGER](#), as well as a project in California. [Read more.](#)



[Ferrari's](#) latest supercar, the F80, featured additively manufactured structural components on a Ferrari road car for the first time. The independent suspension is actuated by four electric motors, a double wishbone layout, active inboard dampers and suspension arms created by additive manufacturing. [Read more.](#)

company's professionalism and technical consistency, further cementing its position among the world's top-tier AM organisations. [Read more.](#)



[The Collins BioMicrosystems Laboratory by the University of Melbourne](#) has introduced a new 3D bioprinting approach called Dynamic Interface Printing (DIP). DIP employs acoustic waves to guide cells into precise configurations, producing complex human tissues in seconds. [Read more.](#)



[Hilos](#), an American startup, announced a partnership with [Steve Madden](#) in sustainable and on-demand production of footwear. With Hilos' software, shoes will be 3D printed in a fraction of the time from design to final product, reducing materials leftovers and unsold products. [Read more.](#)

## UPCOMING EVENTS



Additive Manufacturing Strategies (AMS) is an in-person conference that brings together the industry's leaders in a contained networking environment. AMS is the place for startups to access capital, for financial institutions and investors to sharpen their radars, and for the AM industry to focus on the business of AM. [Register here.](#)

**Date:** 4 to 6 February 2025  
**Venue:** New York City



The AM Forum is Europe's leading conference dedicated to expediting the adoption of additive manufacturing (AM) by exploring strategies, sharing success stories and fostering collaborations. The 8th conference will focus on advanced materials, design and software, industrial application and automation, and navigating the next frontier. [Register here.](#)

**Date:** 17 & 18 March 2025



The 4th International Conference on 3D Printing and Additive Manufacturing will provide a forum for researchers working on all aspects of 3D Printing and additive manufacturing. Speakers will share the latest developments in their fields, and innovative tools and approaches. [Register here.](#)

**Date:** 20 to 22 February 2025  
**Venue:** Rome, Italy



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.](#)

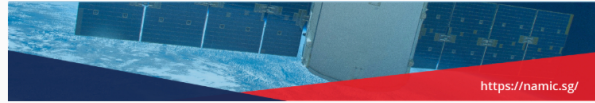
**Date:** 17-19 March 2025

Venue: ECC Berlin, Germany

Date: 17 to 19 March 2025

Venue: NECC Shanghai, China

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