

MEDIA RELEASE

Cybersecurity startup Goldilock Secure crowned Grand Winner of SLINGSHOT 2025

Enterprise Singapore's marquee deep tech startup pitching competition saw over 20% surge in entries, with nearly 7,000 applicants worldwide

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1. **Goldilock Secure was crowned the grand winner of SLINGSHOT 2025** and also walked away with the Transformative Digital Technologies domain prize today. The UK-based startup made a strong impression with its extensive Intellectual Property (IP) catalogue and innovative cybersecurity solution **Goldilock Firebreak**. The technology minimises cyber exposure by enabling secure, on-demand connection or disconnection of data and systems, effectively eliminating the vulnerabilities associated with always-connected infrastructure. Organised by Enterprise Singapore (EnterpriseSG), global deep tech startup pitching competition SLINGSHOT brings startups at the cutting edge of innovation to Singapore, where they can tap innovation resources and scale into the region and beyond. The competition was held during the 10th edition of the Singapore Week of Innovation and Technology (SWITCH), EnterpriseSG's flagship startup event.
2. A total of twelve winners emerged across four domains: i) Manufacturing, Trade and Connectivity, ii) Health and Biomedical, iii) Environment, Energy and Green Technologies, and iv) Transformative Digital Technologies. Alongside Goldilock Secure, Spain-based Loop Diagnostics was the first runner-up, providing rapid diagnostic solutions to detect sepsis and immune dysfunction; while second runner-up Nalagenetics from Singapore provides advanced predictive genetic testing solution.
3. SLINGSHOT 2025 saw an all-time high of nearly 7,000 applications from over 150 markets. Competition was stiff this year, with the Top 60 comprising startups at the forefront of emerging areas such as quantum computing, computational imaging,

precision medicine, and more. Many had already set themselves apart in their respective fields, with multiple patents spanning major innovation hubs including Japan, South Korea, and the United States. Details of the full list of winners are in the **Annex**.

4. **Ms Emily Liew, Assistant Managing Director, Innovation, EnterpriseSG**, said, “Nine years on, SLINGSHOT marks a milestone this year with its highest participation ever – a strong signal of the global confidence in Singapore’s innovation ecosystem. The quality of the deep tech pitches on the SLINGSHOT stage shows how ideas can be turned into reality with strong commitment from founders and support from the right ecosystem. With initiatives like SLINGSHOT and the new Stage One, Singapore aims to become a global hub for innovative startups to grow and commercialise breakthrough solutions.”

Providing a platform for global startups to plug into Singapore’s ecosystem

5. The Top 60, chosen after two rounds of judging by over 200 international judges, participated in a three-day in-person programme that provided an exclusive immersion experience in Singapore’s innovation ecosystem. The programme was organised in partnership with the Action Community for Entrepreneurship (ACE.SG), and featured mentors from established innovators, workshops and networking sessions. Ecosystem partners such as Elev8.vc, Insignia, and SG Growth Capital provided insights into fundraising in Singapore, opportunities in the wider Southeast Asia region, as well as how to leverage Singapore as a springboard to scale.
6. At the grand finals, the Top 12 global startups pitched to a judging panel from renowned international venture firms and corporates, including Mr Foo Jixun, Senior Managing Partner from Granite Asia, Mr Magnus Grimeland, Founder and CEO of Antler, and Mr Rajesh Swaminathan, Partner at Khosla Ventures.
7. Said Grand Finals Judge **Mr Russell Tham, Head of Emerging Technologies, Temasek**, “Singapore's ability to nurture and become a home to globally competitive deep tech enterprises will be crucial in securing its position as a trusted global node for frontier tech translation. SLINGSHOT is a key platform to bring such innovations to our shores. At Temasek, we are committed to investing in promising deep tech companies and helping to build a vibrant deep tech ecosystem in Singapore.”

8. Past winners have leveraged SLINGSHOT and the wider Singapore innovation ecosystem to reach new heights. 2024 grand winner Matwerkz Technologies credits the competition with helping to expand its network and boost the company's profile on the global stage. "SLINGSHOT provided much-needed validation on the importance and impact of our work on society, enabling both Matwerkz and Thermorphous to achieve significant brand recognition from new customers, investors, and partners," said **Dr Leong Yew Wei, Founder and CEO of Matwerkz Technologies**. The heightened visibility from the competition has propelled the Agency for Science, Technology and Research (A*STAR) spin-off to new heights. Matwerkz has since gone on to develop and launch three additional versions of its Thermorphous thermal management solution to meet new demand. The deep tech startup is also collaborating with a local engineering plastics manufacturer and a Chinese energy storage conglomerate on a joint venture to produce safer and more fire-resistant battery pack enclosures.
9. Over S\$2 million in grant prizes were awarded to the twelve domain winners of SLINGSHOT 2025, including:
- Grand winner grant prize of S\$400,000
 - First runner-up grant prize of S\$300,000
 - Second runner-up grant prize of \$200,000
 - Domain winner grant prizes (three per domain) of S\$60,000 each
10. To give them a leg up to establish presence in Singapore and scale further, the top three winners also received up to 18 months of rent-free space at either of JTC's LaunchPads at One-North or Jurong Innovation District. They will also receive support through the Entrepass, which allows foreign founders to enter and establish their innovative and venture-backed startups here. Additionally, the winners will receive a complimentary 12-month international membership with ACE.SG, which offers key resources and information to help them anchor in Singapore, including mentorship as well as exclusive access to ACE's programmes and events.
11. In addition, to help these startups leverage their IP for growth from Singapore, the Top 3 startups will undergo a complimentary 8-week Intangible Asset¹ Audit & Strategy Sprint. The other Domain Winners will receive a complimentary 4-week programme on Intangible Asset Identification. These programmes will be run by

¹ Intangible Assets are assets that are non-physical in nature, including both intellectual property (IP), such as patents, trademarks, and registered designs, as well as other non-registrable assets, like know-how, data and key relationships.

IPOS International, the capability-building arm of the Intellectual Property Office of Singapore (IPOS).

12. For more information on SLINGSHOT, please visit www.switchsg.org/slingshot/2025-edition/.

ANNEX: Profiles of Slingshot 2025 winners

Photos from SLINGSHOT 2025: [link](#)

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For media enquiries, please contact:

Andrea Tan
Business Partner
Corporate Communications
M: +65 9188 1679
E: andrea_tan@enterprisesg.gov.sg

About Enterprise Singapore

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We're here, for wherever you're growing. Visit www.enterprisesg.gov.sg for more information.

PROFILES OF SLINGSHOT 2025 WINNERS

S/N	PRIZE	Winner write-up
1	GRAND WINNER Domain Winner – Transformative Digital Technologies Goldilock Secure	Founded in 2020, Goldilock is revolutionising cybersecurity by introducing true physical isolation for critical digital assets. Its product, Goldilock Firebreak, enables secure, on-demand connection or disconnection of data and systems through out-of-band triggers, eliminating vulnerabilities of always-connected infrastructure. This approach creates attack-surface invisibility, reducing cyber exposure across sectors like defence, finance, and energy. The device is NATO-tested, and is approved for adoption in 32 countries. With 8 issued patents and growing enterprise adoption, Goldilock is setting a new standard for zero-exposure digital protection. The seed stage startup raised USD\$2M in an accelerator/incubator round on 2024, bringing the total amount raised to \$5.11M. Goldilock raised its seed round led by HBS Alumni Angels of Greater New York and New York Angels in 2023.
2	First Runner-Up Domain Winner – Health and Biomedical Loop Diagnostics	Loop Diagnostics (LoopDx) develops rapid, immune-based diagnostic solutions to detect sepsis and immune dysfunction at the earliest stages. Its flagship product, SeptiLoop®, is the first CE IVDR Class C and UKCA-certified test that measures TNF-α production in whole blood after LPS stimulation, identifying early immunosuppression linked to bloodstream infection. Delivering actionable results in under two hours directly at the emergency department, it supports faster triage, optimised antibiotic decisions, and reduced hospital costs. Partnering with leading hospitals across Europe, LoopDx is validating real-world clinical outcomes and expanding its immune-function testing platform to serve intensive-care and infection-management markets worldwide.
3	Second Runner-Up Domain Winner – Health and Biomedical NalaGenetics	Nalagenetics develops advanced predictive genetic testing that improves the accuracy of disease risk assessment for diverse populations. Its proprietary platform analyses 100% of the human genome—far beyond the 2% typically used—combining monogenic, polygenic, and clinical risk scores to capture complex disease interactions. This approach increases predictive accuracy by 2–48× across cardiovascular, metabolic, cancer, and

		neurodegenerative conditions. By delivering more sensitive, comprehensive, and cost-effective testing, Nalagenetics is redefining the standard for precision medicine in underrepresented populations.
4	Domain Winner – Transformative Digital Technologies Brelyon Ultra Reality	Brelyon pioneers Ultra Reality, a headset-free immersive display system that redefines visual experiences across simulation training, entertainment, and operations control. Its proprietary optics and generative AI engine create deep, panoramic visuals without wearables, unlocking new levels of comfort and realism. Founded by experts from MIT, DARPA, and IMAX, Brelyon holds over 50 patent filings across optics and computational imaging. Supported by strategic partners like Lockheed Martin, LG Display, and Corning, the company is scaling its award-winning technology globally.
5	Domain Winner – Transformative Digital Technologies Innowave Tech	Innowave Tech is a Singapore-based industrial AI company founded in 2019, driving Zero-Defect Manufacturing and factory autonomy through predictive analytics and automation. Its platforms — Wave AutoPilot, iWave Insight, and iWave ZeroDefects — enable self-optimising operations, real-time diagnostics, and autonomous decision-making across production lines. Innowave Tech delivers measurable impact in semiconductor, aerospace, and advanced manufacturing sectors. With a strong Asia-Europe footprint, the company is accelerating digital transformation and sustainable manufacturing worldwide.
6	Domain Winner – Health and Biomedical WomenX Biotech Limited	WomenX is transforming women's health screening with PadX, a sanitary pad that detects HPV—the leading cause of cervical cancer. Designed to be non-invasive and accessible, PadX addresses the 65% of women in Asia who avoid traditional screenings due to discomfort or limited access. Since its launch in January 2025, WomenX has captured 3.8% of Hong Kong's private cervical cancer screening market within seven months and demonstrated potential to raise screening rates to 80% while reducing medical costs by 63%. Building on this success, the company plans to expand across Southeast Asia, Australia, and the Middle East, while adapting its platform for early detection of pregnancy complications and other women's health conditions.

7	Domain Winner – Environment, Energy and Green Technologies Aruna Revolution	Aruna Revolution converts agricultural waste into compostable, high-performance fibres for the US\$211 billion hygiene market. Its proprietary fibretch replaces tree-sourced and synthetic materials in menstrual, incontinence, and medical products. The company has secured over US\$1.4 million in non-dilutive funding, early pilots with hospitals and schools, and multiple innovation awards. Through circular fibre innovation, Aruna is redefining hygiene with sustainable materials that serve both people and planet.
8	Domain Winner – Environment, Energy and Green Technologies Remedium Energy	Remedium is making carbon capture affordable through advanced sorbent materials and thermal-storage innovation. Its proprietary material captures 36× more CO ₂ at 80% lower material cost, while its Carbon Capture Heat Battery regenerates using intermittent renewable electricity. This combination reduces capture cost from US\$100 to as low as US\$13 per tonne. With broad industrial applicability, Limeloop unlocks large-scale decarbonisation for hard-to-abate sectors such as cement, steel, and petrochemicals.
9	Domain Winner – Environment, Energy and Green Technologies Veridi Technologies	Veridi develops AI-powered automated microscopy for soil biodiversity and plant-disease diagnostics. Its platform identifies nematodes—pests causing US\$160 billion in crop losses annually—while also monitoring soil health at scale. Recognised by the European Innovation Council as a key enabler of the EU soil-monitoring directive, Veridi is advancing data-driven sustainability. Backed by global agrochemical leaders including Bayer and Syngenta, it is scaling automated soil analytics worldwide.
10	Domain Winner – Manufacturing, Trade and Connectivity Phasetrum Inc	Phasetrum is a CMOS/GaN fabless design house developing S to Q band PA, LNA, Beamformer, Up Down Converter with RF turnkey solutions integrating IC/PCB/Antenna, specially invented for Satellite Communication and AESA Radar customers to manage phase array technology-leading solutions and production-guaranteed supply chains. With their technology developed from years of experience and RF design expertise, Phasetrum reduces 70% Tx power consumption, enhances 10 times yield and calibration speed, generates extra 30dB link budget, all of which enable their partners to make mass element phase array solutions a commercial reality.

11	Domain Winner – Manufacturing, Trade and Connectivity Photosynthetic	Photosynthetic is a Dutch deep-tech startup pioneering Volumetric Micro-Lithography (VML)—the first scalable microfabrication process for complex 3D polymer microstructures. Unlike traditional point-by-point lithography, VML allows generation of entire microstructure almost instantly using a series of dual-wavelength light projections focused in the volume through microscope optics. It is enabled by a combination of photo-inhibition chemistry and optimisation algorithms, achieving sub-micron resolution at high speed. Photosynthetic has demonstrated prototypes of microneedle arrays, micro-porous membranes, and single-cell capture chips. Their mission is to bridge the gap between prototyping and mass production, enabling rapid commercialisation of innovations in biomedical and photonic applications.
12	Domain Winner – Manufacturing, Trade and Connectivity SpeedPox	SpeedPox powers high-tech manufacturing with its patented one-component epoxy platform, curing on demand in seconds to replace slow, energy-intensive chemical processes—reducing energy use by over 99% and process time by up to 99%. Its breakthrough “curing wave” technology ensures full cure of highly filled, opaque materials in shadowed areas, validated with Tier-1 automotive and medical device partners.