

\$4.4 MILLION AWARDED FOR HEAD CT AMBULANCE TRIALS

Two-year Industry Growth Program funding to take Head CT through to regulatory submission

Adelaide, Australia, 23 September 2025: Australian hi-tech company Micro-X Ltd (ASX:MX1) (**Micro-X** or the **Company**), a leader in cold cathode X-ray technology for health and security markets globally, is pleased to announce it has been awarded a \$4.4 million grant by the Australian Government's Industry Growth Program to build and trial a world-first stroke capable ambulance using the Micro-X Head CT device which is currently under development. The contract confirming the terms and conditions of the grant award is in the process of being finalised and is expected to be executed shortly.

Key points:

- **\$4.4M grant awarded under Australian Government's Industry Growth Program over two years**
- **Micro-X's Head CT, weighing approximately 70kg, is a tenth of the weight of traditional CT devices and is capable of being fitted into a standard ambulance**
- **Funded development of Head CT prototype for planned in-ambulance imaging trial in partnership with the South Australian Ambulance Service and Royal Adelaide Hospital**
- **Ambulance trial to advance device integration with telemedicine, create a new paramedic training program, and new ambulance and hospital emergency protocols**
- **Reader study demonstrating clinical acceptance of imaging captured by paramedics in the stroke ambulance to support medical device regulatory submissions**
- **Funding is non-dilutive with Micro-X retaining all intellectual property rights.**

Micro-X Chief Executive Officer Kingsley Hall commented:

"This award of \$4.4 million in non-dilutive funding, is a significant step towards getting our stroke diagnosis device into ambulances around the world. Stroke is the second leading cause of death globally and we know that time to treatment is pivotal - we must find ways to get patients diagnosed and treated faster. This award will see us undertake a world-first standard ambulance stroke patient imaging trial, in partnership with the South Australian Ambulance Service. We are proud to lead this innovation with the Australian Stroke Alliance and deliver a new global standard in emergency stroke care."

World-first stroke capable standard ambulance

Micro-X will deliver a world-first stroke capable standard ambulance and establish a new benchmark in emergency responder stroke capability, in partnership with the South Australian Ambulance Service (SAAS) and Royal Adelaide Hospital (RAH) Stroke Unit, with \$4.4 million of grant funding through the Australian Government's Industry Growth Program. The contract confirming the terms and conditions of the grant award is in the process of being finalised and is expected to be executed shortly.

Over two years, the Industry Growth Program funding will be used to manufacture the first ambulance-ready Head CT scanner prototype, build and fit a South Australian ambulance with the prototype, and conduct real world patient imaging and workflow testing. The project will serve as a global case study and, in conjunction with the data gathered through hospital patient imaging trials, provide the necessary data to take Micro-X's Head CT medical device through to regulatory submissions for use in an ambulance.

Micro-X will work with globally recognised neurologist Professor Timothy Kleinig, neurologists at the RAH Stroke Unit, and the SAAS to design a protocol for ambulance paramedics and hospital-based physicians, enabling

remote diagnosis through the stroke capable ambulance. A training package will be developed with Adelaide University to teach paramedics how to use the technology.





Subject to clinical and ethics approval, the second phase will see the launch of a full patient imaging trial to collect data from stroke patients being transported to hospital in the stroke ambulance, with diagnostic decisions to be made based on imaging taken following the patient's arrival at the RAH. This data will be used in a reader study to show clinical acceptance that Micro-X's Head CT imaging device meets diagnostic standards.

The third phase collates data for publication on the outcome of the project, including the technical file and clinical evaluation report for medical device regulatory submissions.

This ambulance trial will provide a demonstration case study to promote the commercial launch of the Head CT device into global markets.

HEAD CT MARKET ACCESS ROADMAP



	2025	2026	2027	Supporting outcomes
Australian Stroke Alliance 'Stroke Golden Hour' Project - \$8M Australian Government Medical Research Future Fund				
Device Development Next: Clinical acceptance of imaging 				Imaging and concept evaluation
			Regulatory submission	
Hospital Trials Next: Ethics submission 		6-9 month trial		Reader study Clinical evaluation report
Micro-X Road Ambulance Trial - \$4.415M Australian Government Industry Growth Program				
Device Development 		Development		Technical file
South Australian Ambulance Trial 			6 month trial	Reader study Clinical evaluation report

Timing is subject to meeting technical milestones and achieving clinical approvals for trials in advance of regulatory approvals

Background

In partnership with the Australian Stroke Alliance and with \$8M funding from the Australian Government's Medical Research Future Fund, Micro-X is in advanced development of a portable Head CT scanner for use in a standard ambulance to determine stroke type. Weighing around 70kg compared to conventional CT scanners that weigh more than 700kg, Micro-X's Head CT is small and light enough to fit in a standard ambulance or retrieval aircraft. The Company is currently building test benches for use in Australian hospital imaging trials scheduled to commence in 2025, subject to ethics approval.

Using a series of Micro-X's patented NEX Technology X-ray tubes placed in a curved array, the Head CT device is designed to deliver dose efficiency, and a lower system cost from its size and weight reduction. Improving patient access to lifesaving stroke diagnostic equipment that is easily deployable outside of a hospital creates opportunities for greater health equity across metropolitan and rural populations and improved stroke recovery rates, globally.

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This ASX Announcement is authorised by the Board of Micro-X.

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About Micro-X

Micro-X Limited is an ASX listed hi-tech company developing and commercialising a range of innovative products for global health and security markets, based on proprietary cold cathode, carbon nanotube (CNT) emitter technology. The electronic control emitters with this technology enables x-ray products with significant reduction in size, weight and power requirements, enabling greater mobility and ease of use in existing x-ray markets and a range of new and unique security applications. Micro-X has a fully vertically integrated design and production facility in Adelaide, Australia. A growing technical and commercial team based in Seattle is rapidly expanding Micro-X's US business.

Micro-X's product portfolio spans four, high margin, product applications in health and security. The first mobile digital radiology products are currently sold for diagnostic imaging in global healthcare, military and veterinary applications. The US Department of Homeland Security has contracted Micro-X to design a next generation airport security checkpoint. A miniature brain CT imager for pre-hospital stroke diagnosis in ambulances is being developed with funding from the Australian Government's Medical Research Future Fund and Industry Growth Program. Micro-X is developing a full body CT under contract by US Government agency ARPA-H.

For more information visit: www.micro-x.com

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