

MICRO-X SIGNS US DEPARTMENT OF HOMELAND SECURITY CONTRACT FOR AIRPORT SECURITY PORTAL

Micro-X Inc will lead a multi-national team to develop the next generation of checkpoint security in US airports

Adelaide, Australia, 29th September 2021: 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 that its US subsidiary, Micro-X Inc, has signed a contract with the US Government's Department of Homeland Security (DHS) for the design of an Airport Passenger Self-Screening Portal. This contract signing marks the formal program start of one of the two Micro-X proposals which were selected for award under Broad Agency Announcement (BAA) Call 70RSAT20RB00000002.

Key Points

- **Micro-X has now commenced design work for the overall Airport Portal**
- **Contract worth up to approximately US\$2.5M**
- **Micro-X leads a global team of subcontractors to integrate overall solution**
- **High reliance on automated threat detection to increase security and reduce operational costs**

The Contract

Micro-X has formally signed a contract with US Department of Homeland Security (DHS) Science and Technology Directorate (S&T) for approximately US\$1.3M for a period of 12 months with an option to extend an additional 8 months for approximately US\$1.2M. Under the contract, Micro-X will design a Passenger Self-Screening Airport Checkpoint solution for DHS S&T under the Screening at Speed Program. In the first 12 months the full concept is developed and demonstrated through mock-ups and component prototypes. In the optional 8-month extension, a Passenger Self-Screening Airport Checkpoint prototype solution will be designed.

The concept of the Portal is to combine existing self-service technologies such as automated document scanning and validation, identity verification, and millimetre-wave body scanning with a new technology, miniature, self-service x-ray scanner for carry-on bags and personal property to create an integrated one-stop portal to control passenger access to airport sterile areas.

Micro-X has assembled a diverse team of innovative companies and organizations to develop this transformative solution for the next generation of airport passenger security checkpoints. Micro-X will bring together and integrate these sub-systems with a strong passenger-focused design approach. This will deliver a system and a workflow that will improve passenger experience, increase passenger throughput, enhance overall security, and reduce the through-life operational cost of the checkpoint. By placing the passenger at the center of the design, Micro-X will ensure high levels of user acceptance.

The Micro-X Team

Melbourne-based Elenium Automation is a global leader in many elements of airport passenger workflow automation and their expertise will be used in designing the system automation elements and providing integrated automated passenger verification.

A European based company that is a leader in millimetre-wave on-person screening technology which enables high-resolution scanning of passengers in real-time as they move. Micro-X will work to integrate passenger screening using natural body motion while interacting with equipment inside the portal.

Adelaide based Micro-X Ltd's CNT technology will be used to develop a miniaturized x-ray baggage scanner building on early work done for the UK Government's Department for Transport to enable a full screening of a passenger and their baggage in a single integrated process.

Sandia National Labs in Albuquerque is a US Government Laboratory which has developed an Open Architecture integrated airport checkpoint management system based on conventional screening technology. This work has been at the direction of and sponsored by DHS. Micro-X will work with Sandia to apply this work to the new self-screening checkpoint technologies.

A number of organisations will assist Micro-X Inc with the overall, passenger-focused, systems design and by providing voice-of-customer input:

Monash University Design team is a globally recognized Human Factors design team with experience in airport terminal design.

The DHS S&T Screening at Speed Program will facilitate stakeholder engagement with operators, airports, requirements engineers, and end-users to inform requirements and test plan development.

Management

This contract will be performed at Micro-X Inc's new facilities in SeaTac, Washington and will be managed within a newly created, independent, Micro-X Business Unit focussed on Checkpoints and led by General Manager Dr Brian Gonzales. Micro-X will invest beyond the scope of the DHS funded work in this program to position the Company as a leader in the transformation of airport security checkpoints.

Micro-X's Managing Director, Peter Rowland, commented:

"This contract is transformational for Micro-X and represents the culmination of many years of amazing work by Dr Gonzales in developing new concepts for improving x-ray imaging for aviation security. It is also a huge tribute to Micro-X's customer-centric design philosophy to be selected for this major new systems design and integration project. Every traveller has got airport security horror stories to tell; It is so exciting that this amazingly innovative international team, led by Micro-X, is now positioned to make future air travel a more enjoyable and safer experience."

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

– ENDS –

About Micro-X

Micro-X Limited (the **Company**) 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 of 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 and defence 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 is built in four, high margin, product lines in health and security. The first commercial mobile digital radiology products are currently sold for diagnostic imaging in global healthcare, military and veterinary applications. An X-ray Camera for security imaging of Improvised Explosive Devices is in advanced development. The US Department of Homeland Security has selected Micro-X to design a next-generation Airport Checkpoint Portal with self-service x-ray. 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.

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

CONTACTS

Micro-X Limited	Investor Enquiries
<p>Peter Rowland Managing Director Tel: +61 8 7099 3966 E: admin@micro-x.com</p>	<p>David Allen / John Granger Hawkesbury Partners Tel: +61 2 9103 9494 E: dallen@hawkesburypartners.com jgranger@hawkesburypartners.com</p>

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