



NEWS RELEASE

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CRITICAL INFRASTRUCTURE TECHNOLOGIES LTD. PRODUCT DEVELOPMENT UPDATE

Vancouver, BC – September 8, 2025 – Critical Infrastructure Technologies Ltd. (CSE: CTTT) (FRA: X9V) (“CiTech” or the “Company”), a leading developer of autonomous, high-capacity mobile communications platforms, is pleased to announce a major advancement in payload elevation and network reliability with the release of its NX-20 and NX-24 models, designed to support critical operations across defence, border security/surveillance, and mining.

Building on stakeholder collaboration in Australia and Europe, CiTech’s engineering team has extended the operational height of its Nexus Rapid Deployment Base Station to over 20 metres. The NX-20 is capable of lifting up to 100kg of payload equipment to a new height of 20m, while an optional extension allows antennas to reach 24m, significantly expanding the system’s transmission range.

On flat terrain, the NX-20 can now transmit to a network node up to 18.4km away, reducing the impact of tree cover and built environments on network effectiveness. These improvements open new opportunities for mobile, flexible, and resilient communications in the most challenging environments.

“Height is the most important factor in network reliability and flexibility,” said Brenton Scott, CEO. “With the NX-20 and NX-24, CiTech continues to push the boundaries of operational capability, providing our partners with next-generation solutions for mission-critical communications.”

Key engineering milestones behind this advancement include further development of CiTech’s patented deployment mechanism to increase load capacity, while maintaining core mechanical principles. The addition of a second trapezoidal screw drive enhances deployment stability, with collateral benefits also improving the weight capacity of the NX-16 model.

CiTech has also integrated support for VTOL fixed-wing surveillance drones, extending the effective ISR (Intelligence, Surveillance and Reconnaissance) coverage for defence and security applications.



“Our focus is on delivering robust, versatile systems that adapt to the evolving needs of our customers,” added Brenton Scott, CEO. “The NX-20 and NX-24 demonstrate CiTech’s commitment to innovation in critical infrastructure and communications.”

On Behalf of the Board of Directors:

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About Critical Infrastructure Technologies Ltd.

Listed on the CSE with operations in Perth, Western Australia, CiTech is creating autonomous, high capacity, rapidly deployable technology that delivers essential services to where they are needed most. CiTech is targeting the mining, defence, border security/surveillance and emergency services sectors in relation to its first product release, the Nexus 16, which aims to provide critical mobile telecommunications for such sectors. Using patented technologies, CiTech’s self-deploying platform (SDP) provides a solution for two of the greatest limitations of current rapidly deployable communication solutions, strength of the tower and ability to rapidly self-deploy and operate, in numerous situations. The SDP is designed to support radio equipment including LTE (Long Term Evolution) and several other technology payloads, such as surveillance and anti-drone systems. CiTech has completed the research and development phase and is currently commercialising the first of many products that will be released. To learn more about the Company, visit www.citech.com.au.

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FORWARD-LOOKING INFORMATION

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