

Â Â UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Â Form 6-KÂ REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934Â For the month of January, 2025.Â Commission File Number: 001-41893Â LEDDARTECH HOLDINGS INC.Â 4535, boulevard Wilfrid-Hamel, Suite 240Quebec G1P 2J7, Canada(418) 653-9000Â Indicate by check mark whether the registrant files or will file annualreports under cover of Form 20-F or Form 40-F.Â Form 20-F â˜Â Â Â Â Â Form40-F â˜Â Â Â Â DOCUMENTS TOBE FURNISHED AS PART OF THIS FORM 6-KÂ ExhibitNumber Â Exhibit Description 99.1 Â Press release of LeddarTech Holdings Inc. dated January 13, 2025 Â 1 Â SIGNATURESÂ Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.Â Â LEDDARTECH HOLDINGS INC. Â Â Â By: /s/ David Torralbo Â Name:Â David Torralbo, Â Title: Chief Legal Officer Â Date: January 14, 2025Â 2Â Exhibit 99.1Â PRESS RELEASEÂ LeddarTech Reports on Participation in CES 2025Â Receives Pre-Paid Royalty Payment of US\$ 3 MillionÂ QUEBEC CITY, Canada, January 13, 2025 â€"LeddarTechÂ® Holdings Inc. (â€œLeddarTechâ€) (Nasdaq: LDTC), an automotive software company that provides patenteddisruptive AI-based low-level sensor fusion and perception software technology, LeddarVisionâ„¢, today announced it has wrapped upits presence at the 2025 Consumer Electronics Show (CES) and achieved key strategic milestones. The culmination of the event demonstratesthat the company is poised to deliver exceptional value to its customers.Â Driving Innovation Through Strategic PartnershipsÂ With the successful CES 2025 demonstration ofLeddarVision Surround (LVS-2+) software utilizing Texas Instruments (â€œTIâ€) TDA4VH-Q1 processor, LeddarTech hasnow received the second advanced royalty payment of US\$ 3Â million as part of its licensing agreement. This partnership, announcedin early December 2024, aims to capitalize on the integration of LeddarTechâ€™s groundbreaking LeddarVision software into TIâ€™sscalable portfolio of processors to create a comprehensive platform for advanced driver assistance systems (ADAS) and autonomous driving(AD) markets. The collaboration signifies a pivotal step forward in delivering cutting-edge solutions to automotive OEMs and Tier 1 suppliers,underscoring LeddarTechâ€™s commitment to innovation and leadership.Â Customer and Partner Enthusiasm at CES 2025Â At CES 2025 in Las Vegas, LeddarTech showcasedits LeddarVision Surround-View (LVS-2+), a state-of-the-art software stack tailored for L2/L2+ highway and city ADAS applications. This breakthrough technology addresses critical challenges the automotive industry faces, setting new benchmarks in safety and performanceand enabling automotive manufacturers to cost-effectively meet 5-star NCAP 2025/GSR 2022 requirements.Â During the event, LeddarTech conducted in-boothsoftware platform demonstrations, product presentations and high-level meetings with OEMs, Tier 1 suppliers and strategic partners. LeddarTechalso conducted multiple live LeddarNavigator demonstrations. During CES 2025, LeddarTech collected customer leads and forged thebeginnings of multiple potential new partnerships with significant participants in the automotive industry.Â This enthusiastic reception highlights the growingdemand for LeddarTechâ€™s AI platform software, which helps its customers develop ADAS and AD solutions to reduce road casualties.Â Building Upon a Bright FutureÂ As LeddarTech looks ahead, the company remainssteadfast in its vision of transforming mobility. With over 170 patent applications (87 granted) and a legacy of innovation, LeddarTechis uniquely positioned to lead the industry in creating safer, more efficient and sustainable transportation systems.Â â€œ2025 marks an exciting new chapter forLeddarTech,â€ said Frantz Saintelemy, President and CEO of LeddarTech. â€œOur strategic partnerships, increased customer traction,new products and the overwhelmingly positive market response at CES reaffirm our confidence in the future. We remain committed to deliveringexceptional value to our customers and shareholders as we continue to drive the future of mobility.â€Â Â PRESS RELEASEÂ About LeddarTechÂ A global software company founded in 2007 andheadquartered in Quebec City with additional R&D centers in Montreal and Tel Aviv, Israel, LeddarTech develops and provides comprehensiveAI-based low-level sensor fusion and perception software solutions that enable the deployment of ADAS, autonomous driving (AD) and parkingapplications. LeddarTechâ€™s automotive-grade software applies advanced AI and computer vision algorithms to generate accurate 3Dmodels of the environment to achieve better decision making and safer navigation. This high-performance, scalable, cost-effective technologyis available to OEMs and Tier 1-2 suppliers to efficiently implement automotive and off-road vehicle ADAS solutions.Â LeddarTech is responsible for several remote-sensinginnovations, with over 170Â patent applications (87 granted) that enhance ADAS, AD and parking capabilities. Better awareness aroundthe vehicle is critical in making global mobility safer, more efficient, sustainable and affordable: this is what drives LeddarTech toseek to become the most widely adopted sensor fusion and perception software solution.Â Additional information about LeddarTech is accessibleat [www.LeddarTech.com](http://www.LeddarTech.com) and on LinkedIn, Twitter (X), Facebook and YouTube.Â Forward-Looking StatementsÂ Certain statements contained in this Press Releasemay be considered forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995, Section27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended (which forward-lookingstatements also include forward-looking statements and forward-looking information within the meaning of applicable Canadian securitieslaws), including, but not limited to, statements relating to LeddarTechâ€™s anticipated strategy, future operations, prospects, objectivesand financial projections and other financial metrics. Forward-looking statements generally include statements that are predictive innature and depend upon or refer to future events or conditions, and include words such as â€œmay,â€ â€œwill,â€ â€œshould,â€ â€œwould,â€ â€œexpect,â€ â€œanticipate,â€ â€œplan,â€ â€œlikely,â€ â€œbelieve,â€ â€œestimate,â€ â€œproject,â€ â€œintendâ€ and other similar expressions among others. Statements that are nothistorical facts are forward-looking statements. Forward-looking statements are based on current beliefs and assumptions that are subjectto risks and uncertainties and are not guarantees of future performance. Actual results could differ materially from those contained inany forward-looking statement as a result of various factors, including, without limitation: (i) our ability to timely access sufficientcapital and financing on favorable terms or at all; (ii) our ability to maintain compliance with our debt covenants, including our abilityto enter into any forbearance agreements, waivers or amendments with, or obtain other relief from, our lenders as needed; (iii) our abilityto execute on our business model, achieve design wins and generate meaningful revenue; (iv) our ability to successfully commercializeour product offering at scale, whether through the collaboration agreement with Texas Instruments, a collaboration with a TierÂ 2supplier or otherwise; (v) changes in our strategy, future operations, financial position, estimated revenues and losses, projected costs,projects, prospects and plans; (vi) changes in general economic and/or industry-specific conditions; (vii) our ability to retain, attractand hire key personnel; (viii) potential adverse changes to relationships with our customers, employees, suppliers or other parties; (ix)legislative, regulatory and economic developments; (x) the outcome of any known and unknown litigation and regulatory proceedings; (xi)unpredictability and severity of catastrophic events, including, but not limited to, acts of terrorism, outbreak of war

or hostilities and any epidemic, pandemic or disease outbreak, as well as management's response to any of the aforementioned factors; and (xii) other risk factors as detailed from time to time in LeddarTech's reports filed with the U.S. Securities and Exchange Commission (the "SEC"), including the risk factors contained in LeddarTech's Form 20-F filed with the SEC. The foregoing list of important factors is not exhaustive. Except as required by applicable law, LeddarTech does not undertake any obligation to revise or update any forward-looking statement, or to make any other forward-looking statements, whether as a result of new information, future events or otherwise. 2 PRESS RELEASE Contact: Daniel Aitken, Vice-President, Global Marketing, Communications and Investor Relations, LeddarTech Holdings Inc. Tel.: +1-418-653-9000 ext. 232 [daniel.aitken@LeddarTech.com](mailto:daniel.aitken@LeddarTech.com) — Investor relations website: [investors.LeddarTech.com](http://investors.LeddarTech.com) — Investor relations contact: Mike Bishop [Mike@BishopIr.com](mailto:Mike@BishopIr.com) — Financial media contact: Dan Brennan, ICR Inc. [dan.brennan@icrinc.com](mailto:dan.brennan@icrinc.com) Leddar, LeddarTech, LeddarVision, LeddarSP, VAYA Drive, VayaVision and related logos are trademarks or registered trademarks of LeddarTech Holdings Inc. and its subsidiaries. All other brands, product names and marks are or may be trademarks or registered trademarks used to identify products or services of their respective owners. LeddarTech Holdings Inc. is a public company listed on the Nasdaq under the ticker symbol "LDTC." 3