Scandium Canada provides update on Scandium+ activities and development of its Al-Sc alloys

written by Raj Shah | February 11, 2026
February 11, 2026 (Source) – **Scandium Canada Ltd.** (TSX-V: SCD) (the "Company") announces an update on the efforts of its Scandium+ division in advancing the industrial adoption of its proprietary aluminum-scandium (Al-Sc) alloys.

Wire prototyping

Scandium Canada commissioned the Centre de Métallurgie du Quebec (CMQ) to produce wires using the Company's two proprietary Al-Sc alloys formulations for welding and Wire Additive Advanced Manufacturing (WAAM) trials. This work is expected to be completed by the end of March 2026, with the prototypes subsequently submitted for third-party end-user testing to confirm compliance with their manufacturing specifications. This work is supported by grants from the CQRDA (Centre Québécois de recherche et développement de l'aluminium), of which the Company is a member.

The Company estimates that these applications alone could generate a demand of up to 30 tonnes per year of scandium oxide (Sc2O3), addressing a market segment that does not currently exist. For reference, the Crater Lake Project is expected to produce 91 tonnes per year of scandium oxide. These applications are the direct results of the findings from the study from Productique Québec announced in October 2025.

Collaboration with Gränges Powder Metallurgy

Further to the Memorandum of Understanding signed with Gränges Powder Metallurgy (GPM) in November 2025, current efforts aim at trialling Scandium Canada's modified AA535 and AA7075 alloys into GPM's product offerings. GPM, a wholly owned subsidiary of the global aluminum technology company Gränges, is a global supplier of sprayformed aluminum products and aluminum powders for additive manufacturing.

National Research Council of Canada

Through in-kind support from Canada's Industrial Research Assistance Program (IRAP), Scandium Canada has received a technical report from experts from the Additive Manufacturing Division of the National Research Council of Canada (NRC) to identify materials qualification strategies for the adoption of its alloys in space (waveguides and antennas), aerospace (aviation: small heat exchangers) and defence (ballistic plating).

Commercial outreach and end-user engagement

Building on the Productique Québec report completed in the fall of 2025, which identified 13 target applications for the Company's Al-Sc alloys, including welding wires, aircraft ducting, and heat exchangers, Scandium Canada is actively expanding its outreach to industrial end users across key market segments, including aerospace, automotive, advanced manufacturing and 3D printing.

Intellectual property

Scandium Canada's two proprietary alloys and their method of fabrication, developed in collaboration with McMaster University, are protected by an international patent application

filed under the Patent Cooperation Treaty (PCT) on September 17, 2025, building on the initial provisional patent application filed with the USPTO in September 2024. This intellectual property is wholly owned by Scandium Canada Ltd. and strategically positions the Company for global commercial applications.

Technical highlights of Scandium+'s Al-Sc alloys

Results reported in September 2025 showed that the Company's modified AA535 and AA7075 alloys offer a practical solution to one of the most persistent challenges in metal 3D printing: eliminating micro-cracking in high-strength aluminum alloys during laser powder-bed fusion (L-PBF) processing with implications for their suitability in aluminum welding and WAAM. Key attributes include reduced scandium content while maintaining the grain-refining effect, a broad processing window with relative densities above 99%, ultimate tensile strengths of approximately 330 to 380 MPa in the as-built state with 17–25% increases after heat treatment, and minimized defect density through the Company's proprietary blending procedure.

Quotes

Dr. Luc Duchesne, Head of Scandium+ division and Chief Science Officer, commented: *"We aim to find the shortest pathways for the commercialization of our alloys. On the one hand, we pursue co-development opportunities with industrial users. On the other hand, we increase our understanding of the properties of these alloys to meet specific technical requirements by end users. Because of the novelty of commercial scandium applications, we see Scandium+ as a catalyst for the scandium industry at large."*

Mr. Guy Bourassa, CEO of Scandium Canada, added: *"The confirmation of commercial acceptance of our alloys is an*

important milestone in the development of our Crater Lake project as it will confirm markets, volumes and pricing, to support the financial model of the pre-feasibility study that is due in June 2026."

ABOUT SCANDIUM+

Scandium+, a division of Scandium Canada, is dedicated to the research, development, and commercialization of innovative scandium uses. We strive to unlock the full potential of scandium through strategic partnerships, cutting-edge technology, and a commitment to responsible stewardship, leading progress across multiple sectors.

ABOUT SCANDIUM CANADA LTD.

Scandium Canada (TSX-V: SCD) is a public company whose ultimate goal is to bring the world's leading primary source of scandium into production, enabling the development and commercialization of aluminum-scandium (Al-Sc) alloys. The Corporation is leveraging its Al-Sc alloys development division and the development of its Crater Lake mining project to meet the growing need for lighter, greener, longer-lasting, high-performance materials. The Corporation aims to become a market leader in scandium, while committing itself to building a more responsible economy through innovation and agility.

Forward-Looking Statements

All statements, other than statements of historical fact, contained in this press release including, without limitation, statements regarding the expected completion of welding wire prototyping, the anticipated demand for scandium oxide from the welding wire market, the expected timeline for patent confirmations, the commercialization plans for the Company's Al-Sc alloys, and, generally, the above "About Scandium Canada

Ltd." paragraph which essentially describes the Corporation's outlook, constitute "forward-looking information" or "forward-looking statements" within the meaning of applicable securities laws, and are based on expectations, estimates and projections as of the time of this press release.

Forward-looking statements are necessarily based upon a number of estimates and assumption that, while considered reasonable by the Corporation as of the time of such statements, are inherently subject to significant business, economic and competitive uncertainties, and contingencies. These estimates and assumption may prove to be incorrect. Many of these uncertainties and contingencies can directly or indirectly affect, and could cause, actual results to differ materially from those expressed or implied in any forward-looking statements and future events, could differ materially from those anticipated in such statements. A description of assumptions used to develop such forward-looking information and a description of risk factors that may cause actual results to differ materially from forward-looking information can be found in the Corporation's disclosure documents on the SEDAR+ website at www.sedarplus.ca.

By their very nature, forward-looking statements involve inherent risks and uncertainties, both general and specific, and risks exist that estimates, forecasts, projections and other forward-looking statements will not be achieved or that assumptions do not reflect future experience. Forward-looking statements are provided for the purpose of providing information about management's endeavors to develop the Crater Lake project, and, more generally, its expectations and plans relating to the future. Readers are cautioned not to place undue reliance on these forward-looking statements as a number of important risk factors and future events could cause the actual outcomes to differ materially from the beliefs, plans, objectives,

expectations, anticipations, estimates, assumptions and intentions expressed in such forward-looking statements. All of the forward-looking statements made in this press release are qualified by these cautionary statements and those made in our other filings with the securities regulators of Canada. The Corporation disclaims any intention or obligation to update or revise any forward-looking statement or to explain any material difference between subsequent actual events and such forward-looking statements, except to the extent required by applicable law.

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

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