



NOVARC LAUNCHES NovAI™ TO TRANSFORM WELDING AUTOMATION BY BRINGING VISION AND COGNITION TO COBOTS AND ROBOTS

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VANCOUVER, CANADA – [Novarc Technologies Inc.](#) (“Novarc”), a full-stack AI robotics company specializing in the design and manufacturing of automated welding solutions, announced today the company is launching [NovAI™](#) - a new AI-powered system that brings both vision and real-time adaptation to articulated robotic and mechanized welding.

Novarc’s AI-powered intelligent adaptive welding system - NovAI™ - enables robots to see, and adapt like an expert welder. By using machine vision, deep neural nets for perception and real-time adjustments, NovAI eliminates the need for prescanning and robotic reprogramming, ensuring consistent, high-quality welds in any condition. NovAI Autonomy will be commercially available in Summer 2025.

“The introduction of NovAI is extremely exciting for us; its development is based on two decades of research and practical industrial grade deployments of our award winning [Spool Welding Robot \(SWR™\)](#). Our solution promises to transform welding automation by bringing the precision of human expertise through AI to articulated robots, cobots and mechanized welders, which will help manufacturers to automate difficult welding jobs that could not be automated before and reduce manufacturing waste such as overwelding and post weld grinding while improving the finished weld quality. This is critical as the global economy embraces a demand for manufacturing,” says Soroush Karimzadeh, CEO of Novarc Technologies.

Novarc recently announced a strategic partnership with [Miller Electric Mfg. LLC](#) aimed at transforming the welding industry with artificial intelligence (AI). The collaboration is set to drive game-changing advancements in automated welding for fabricators and contract manufacturers, as well as the shipbuilding, construction and fabrication, and heavy equipment manufacturing industries.

NovAI works with leading robot systems and can scale according to the evolution of production needs. [NovAI™ Capture](#), [NovAI™ Control](#), [NovAI™ Autonomy](#) and [NovSync™](#) encompass the range of technologies being showcased this week at Web Summit.

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About Novarc Technologies Inc:

As a proven pioneer in the field of welding automation, Novarc Technologies is a full-stack AI robotics company specializing in the design and manufacturing of automated welding solutions for challenging welding applications. Novarc’s Spool Welding Robot (SWR) is recognized by customers globally for its impact in the fabrication industry. For more information, visit www.novarc.ai.

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