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Topic: AI in Advanced Manufacturing

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Place: Freddie-Mercury-Straße 5, 80797 München








2025 AI in Advanced Manufacturing CTA Cohort

COMPANY	LOCATION	PROFILE
	Toronto, ON	<p>AutoAlign has developed an AI platform aimed at transforming the manufacturing industry, leveraging cutting-edge AI technology with increased reliability across different data types to streamline and revolutionize manufacturing processes and drive operational efficiencies. The solution has been built with top labs globally and NVIDIA has integrated the solution in their enterprise AI platform. AutoAlign overcomes significant barriers for adoption in manufacturing including the risks of performance issues, regulatory issues, safety, and reputational damage. AutoAlign’s solution is an AI supervisor that solves these problems by supervising AI in real time to remediate issues and increase outcome consistency. The solution provides comprehensive error-checking, leading to safe and effective AI.</p>
	Burlington, ON	<p>CareGo specializes in transformational optimization of storage capacity and operational throughput via the automation of industrial material handling equipment for heavy lifting (for the metals industry and others). TELIA, CareGo’s autonomous technology, uses patented algorithms which allows bridge or gantry cranes and other assets to interact with each other and virtually think for themselves, using real-time data-driven decisions. CareGo’s space saving solutions provide significantly improved throughput, 50% increased storage capacity, reduced operating costs, and zero product damage. Through a variety of safety mechanisms and her fully autonomous ability, TELIA provides a zero-harm environment.</p> <p>Today, CareGo has provided solutions for customers throughout North America and the UK. In multiple facilities, there are 20 or more assets that are guided by TELIA to work together 24 hours per day, 7 days per week.</p>
	Vancouver, BC	<p>DaoAI specializes in visual AI-driven industrial automation, developing high-precision, high-speed AOI inspection systems and an advanced AI training platform. Our flagship products, DaoAI AOI System and DaoAI World, empower manufacturers with cutting-edge defect detection and AI model training, seamlessly integrating software and</p>

		<p>hardware to reduce development time and complexity while making AI more accessible in manufacturing. The DaoAI AOI System enables users to train models with good samples and deploy them for appearance defect inspection across various applications. DaoAI World offers nine AI models, including Unsupervised Defect Segmentation, Instance Segmentation, Classification, Object Detection, and Supervised Defect Detection, along with three integration methods: Standard SDK, Self-Hosted Inference Server, and DaoAI World-Hosted Inference Server. This ensures seamless adaptation to diverse manufacturing and lab automation needs.</p> <p>Since 2018, DaoAI has expanded globally, partnering with Brose, BASF, Siemens, and Adient. In 2024, we launched DaoAI AOI System and DaoAI World, solidifying our position as a strategic partner of Siemens Workflow Canvas Machine Vision.</p> <p>At DaoAI, we are shaping the future of visual AI in industrial automation, driving efficiency and innovation across industries.</p>
	<p>Paris, ON</p>	<p>FactR combines traditional technology & AI/Machine Learning to simplify digital transformation, automate workflows & gain data insights.</p> <p>Our Mission is to provide Enterprises & its users with AI/ML SaaS solutions that enable improved data management, business workflow automation, & instant analytics & insights.</p> <p>Founded in 2017, FactR is a Canada based business (located in Paris, Ontario), registered on the Canada Federal Indigenous Directory (IBD), have organization/personnel level security clearances and are qualified on several procurement PSPC vehicles including the Artificial Intelligence Source list & TBIPS. We export SaaS software solutions to 14 countries and have SAP, AWS, ISO, & Soc2 certifications.</p>
	<p>Richmond Hill, ON</p>	<p>Maple Advanced Robotics Inc. (MARI) is a Canadian innovator in advanced robotics and machine vision software for manufacturing. Founded in 2020, MARI's mission is to bring adaptable, user-friendly automation to high-mix, low-volume production environments. MARI's flagship Autonomous Adaptable Robot System (AARS) revolutionizes robotic programming by using 3D vision and</p>

		<p>AI to automatically generate optimized motion plans for variable parts and processes. This allows manufacturers to automate complex tasks like sanding, polishing, spraying and assembly with minimal operator input and rapid changeovers.</p> <p>By combining advanced computer vision, AI path planning, intuitive programming, and application-specific process control, MARI's AARS platform offers a uniquely adaptable and efficient solution for automating variable tasks in industries such as automotive, aerospace, general machining and industrial equipment. Based in Toronto, MARI has assembled a world-class team of robotics and AI experts to bring its innovative technologies to the global market. With the support of the Canadian Technology Accelerator program, MARI is poised to introduce its breakthrough solutions to manufacturers in Germany and the UK seeking to automate challenging high-mix applications.</p> <p>Maple Advanced Robotics Inc. has been nominated for the ROBOTICS AWARD 2025 at HANNOVER MESSE!</p>
	<p>Montreal, QC</p>	<p>Maya HTT provides advanced engineering, manufacturing, and industrial operations solutions & services that drive innovation across industries. With over 15 years of expertise and a track record of more than 200 projects in computer vision, machine learning, deep learning, AI, PLM, MES, Industrial Edge, and generative AI, we empower our customer in North America and Europe to seize growth opportunities in cutting-edge technology markets. Our solutions accelerate digital transformation and enable businesses to thrive in today's competitive landscape.</p>
	<p>Montreal, QC</p>	<p>Designer and manufacturer of industrial robots known for their high precision, small footprint, and user-friendly programming interface, making them ideal for applications that require accuracy and repeatability in confined spaces. The product integrates easily with vision systems offering AI capabilities (machine learning).</p>
	<p>Edmonton, AB</p>	<p>Founded in 2018 and based in Edmonton, Alberta, NTWIST specializes in AI and machine learning solutions for industrial operations. The company's platform delivers descriptive, diagnostic, and predictive analytics, enabling manufacturing and industrial sectors to optimize processes, enhance productivity, and reduce costs. NTWIST</p>

		<p>focuses on sustainability, minimizing waste, emissions, energy, and water usage. Recognized as an innovator, it won Startup TNT's Investment Summit VII in 2023. NTWIST offers European manufacturers transformative, AI-driven solutions to improve efficiency and meet sustainability goals, making it a trusted partner for organizations aiming to thrive in a competitive and eco-conscious market.</p>
	<p>Quebec City, QC; Montreal, QC; Toronto, ON</p>	<p>Operating in Canada, the world's hub for artificial intelligence, Vooban is a national leader and pioneer in applied artificial intelligence. They guide companies in developing and implementing AI projects to accelerate their digital transformation. Since 2011, our team of 200 experts has delivered cutting-edge solutions in predictive analytics, data visualization, and process optimization, working with over 200 clients across industries. Backed by the trust of major investors like CDPQ, we combine technical expertise with a deep understanding of business needs, ensuring data security through advanced measures and best practices. Some of our notable projects include sales prediction systems, custom ERP solutions, AI-powered quality control platforms, and automated production planning tools.</p>



Canadian Technology Accelerators

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