

Advanced Intelligent Systems (AIS) is a robotics company that creates practical, affordable, autonomous robots to solve labour problems in various industries.

Today, many industries are facing an even more severe shortage of labour to perform tasks that are repetitive, dangerous and labour intensive. AIS has created robotics hardware embedded with proprietary AI and IOT enabled software to automate these tasks. AIS' IoT capabilities creates a complete log of every interaction the hardware has with its environment and puts the control and the required information into the end user's hands in real time, allowing them to make on the fly decisions on the work process. AIS' artificial intelligence capabilities bring an added value to the work process and collect and interpret valuable data to give meaningful feedback to the users while making the robots more efficient day by day.

AIS' custom robotic solution allows both simple and difficult tasks to be automated where there is currently no available labour to complete these tasks safely or without resulting in repetitive stress injuries. This allows industries faced with the imminent need to automate and remain competitive, while increasing both safety and productivity. The AIS solution is currently deployed in the horticulture industry however, the AIS software and hardware platforms can be customized for use in various industries.

AIS actively engages with various industries to understand their unmet labour needs and creates practical robotic solutions to address these specific industry problems. Currently, there are 5 universities who actively collaborate with AIS. AIS is always open to entertaining new academic and commercial relationships.

From a consumer's stance, the biggest roadblocks to robotics automation are the initial capital costs and also the cost of service and maintenance. AIS' Robotics as a Service (RaaS) approach helps clients avoid the upfront capital cost and realize cost savings and increased productivity immediately. All parts and services are included in AIS' RaaS business model.

The first AIS' product is called BigTop - a mobile autonomous robot currently in use at greenhouse nurseries to move plant pots and place them according to a pre-programmed pattern. BigTop is helping to address the labour shortage, reduce labour costs, eliminate injuries and increase throughput, performance and safety in the horticulture industry.

AIS has developed superior Intellectual Property and patents which are currently being applied to create custom robotics solutions in horticulture, agriculture, manufacturing, logistics and warehousing. AIS' customizable modular autonomous platform base connects with cyber systems and through artificial intelligence, communicates in real time to provide custom robotic solutions. Through patented technology, AIS creates modules to add functionality to its platforms.

AIS' robotic solutions are manufactured with Customer Replaceable Units which eliminate the need for service calls and down time. AIS' standardized robots come with interchangeable, upgradeable and replaceable components to alleviate service and maintenance challenges.

Collectively, the AIS team has decades of experience in robotics engineering, management and operations. CEO, Afshin Doust, is an entrepreneur with a professional background in finance, investments, business consulting and management and has been involved in these sectors in both executive and advisory positions. With his extensive experience in bringing teams together to help grow businesses, he is leading the company. CTO, Farhang Bidram, is a robotics entrepreneur with more than 20 years in robotics business development and management. His passion is to develop practical robotic solutions to improve safety and efficiency in various industries. COO, Robert Vahedi, is a managing consultant engineer with more than 20 years of international experience at various tech companies, financial institutions and business corporations - his robotics passion comes from his great interest in space explorations and robotics.

AIS' Board of Advisors include industry leaders such as Shahram Tafazoli, Founding CEO of Motion Metrics International Corp. and developer of AI-based solutions for the mining industry; Robert Lando, founder and President of Agrinomix, America's largest supplier of automation to nurseries and greenhouses; and Daniel Veniez, a senior executive and entrepreneur in a range of industries from technology, commercial real estate development, forest products, transportation, finance and strategic consulting. AIS is also proud to have Basil Peters, CEO of Strategic Exits with 27 years of experience in M&A, on its advisory board.

AIS has received numerous grants and awards, has partnered in research studies with Canadian universities and has engaged in governmental missions both locally and internationally. AIS is based in Burnaby, British Columbia.

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