

Company name

Andrew Goldenberg Ph.D.

CEO

ANVIV Mechatronics Inc. (AMI '2019)

NGen Next Generation
Manufacturing Canada

Company overview

- **AMI'2019** is a robotics and automation developer of prototypes and products: mobile robots, collaborative arms, custom robots, medical robots and personal robots.
- **Applications:** security & defense, space, manufacturing, nuclear, utilities, medical surgery and commercial/domestic.
- **Currently AMI'2019** is focused on the development of AI-embedded robot applications.

PROJECT DESCRIPTION:

- Personal Robots for Commercial and Domestic applications
- Development of new AI methodologies for autonomous real-time control of robots performing complex tasks in variable and unstructured environments
- Integration of commercial prototypes through design for manufacturing

PROJECT
DURATION:
60 months

STARTING
MRL LEVEL:

PROJECT OBJECTIVES:

- Address issues that generate the leap from automation to autonomy
- Embed AI features in current products for autonomous navigation, autonomous trajectory tracking, autonomous grasping & manipulation of objects
- Integrate benchmarks of autonomy in security, host & receptionist, and home assistant robot prototypes

ENDING
MRL LEVEL:

OUR EXPERTISE AND ROLE IN THE PROJECT:

- **Expertise:** Robotics – mechanics, control, design
AI-embedded for complex tasks execution
System integration for wide range of robot applications
- **Role:** Project management, System integrator, Leading technology developer

EXPERTISE WE ARE LOOKING FOR:

- Robot design for manufacturing
- Applied AI in real-time control applications
- Integration of AI in automatic products