

NGen Project Pitch Day

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NGen Next Generation
Manufacturing Canada



ATTAbotics

Scott Gravelle

CEO, CTO & Co-Founder

Brad Simpson

Director of Growth

HQ - Calgary, AB - 73,000 sqft - Office + Manufacturing

Commercializing 3-D Robotic Automated Storage and Retrieval System Technology

First employee hired July 2016 → 183 employees today

Vertically integrated manufacturing process - Adopting Industry 4.0

Collaborative Advanced Manufacturing Project Idea

Stage 1

- Transition from manual riveting to automated flow screw process
- Automate securing gear racking to aluminum beam

Stage 2

- Automate cross beam placement and gusset alignment using automated material handling equipment and automated part positioning jig systems

Stage 3

- Automate moving aluminum beams from laser tube cutter into part positioning jig

ATTABOTICS MODULE ASSEMBLY
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Collaborative Advanced Manufacturing Project Idea

- Move to cell based manufacturing using cobots
- Use ATTabotics robots to move bots in assembly from one cell to another
- Use cobots to automate current manual processes:
 - Part co-location
 - Screw insertion

ATTABOTICS ROBOT ASSEMBLY
CONFIDENTIAL

Partnerships we are seeking

- Partners to help with steps 1 - 3 of module assembly
- Expertise in automated material handling methods
- Cobots and robotic arms
- Automated jig positioning systems
- Leading edge industry 4.0 deployments