



Building a Mega-Machine

Etobicoke, ON-based Conrex Steel Ltd. is leading a collaborative project that will create the world's most sophisticated steel forming press. The project, conducted in partnership with Concord, ON-based Macrodyne Technologies Inc. and Brampton, ON based Source Industrial Services Inc., will bring new capacity and data to manipulate large thick panels for domestic shipbuilding needs on Canada's East and West coasts, international sphere storage vessel forming and finally thick steel heads for pressure vessels throughout North America. The consortium aims to challenge conventional capabilities

and push new possibilities within the industrial use of Canadian steel, strengthen Canadian supplier networks, and showcase unique Canadian IP and manufacturing capabilities in press and crane technologies.

"Over the long-term, this project will elevate Canada's ability to compete with European, Asian, and American steel fabricators, all the while strengthening demand for domestic talent within the steel industry."

Larry Harrison, President, Conrex Steel Ltd.

Facts & Figures

- Enhanced customization and data collection will enable Conrex to investigate different opportunities in new sectors such as avionics and nuclear products
- Conrex will invest in marketing and outsourced sales to promote their advanced capabilities worldwide
- This initiative will double Conrex's revenue in three years, add new jobs, new IP and allow further investment to establish industry leadership in the Americas
- The consortium is also engaging academic partners to support data collection and interpretation
- 31 jobs supported by the project

Maximizing Machine Efficiency

Panevo has partnered with Accuenergy to pilot ioTORQ LEAN OEE software platform which utilizes the latest IIoT technologies to enable cost-effective, real time monitoring of production assets to help manufacturers identify inefficiencies, boost productivity and reduce waste.

"NGen support enabled us to develop the latest IIoT technologies that will enable manufactures to unlock the maximum potential of their assets, increase productivity and transition to Factory 4.0. We now have immediate plans to scale this solution with other industrial partners and develop a global presence."

Panevo

Facts & Figures

- New products, services and processes
- 3 new jobs created by project
- Trade secrets developed as a result of dashboard creation
- 10 jobs supported by project