



MadeMill is the Makerspace and Advanced Digital Media Lab
@ the Innovation Centre at Bayview Yards
Operated by prototypeD TEAM Inc.

Welcome to MadeMill.

Our team of design professionals deliver products and services from our headquarters at the Innovation Centre at Bayview Yards (ICBY) in Ottawa. MadeMill and the Innovation Centre is funded in part by generous contribution by the FedDev Ontario program, the City of Ottawa, and the Government of Ontario. Our mission is to make product creation and social innovation accessible, affordable, and, above all, connect the many services and resources necessary to move an idea into reality.

Our Ecosystem-Driven Approach

MadeMill and the Innovation Centre at Bayview Yards have a mandate to develop an ecosystem approach to innovation, manufacturing, and advanced digital media. MadeMill is a one-stop shop which allows entrepreneurs and clients to connect into the best capacity and services that Ottawa (and Canada) have to offer. Through our forthcoming *Innovatica* innovation platform, businesses, individuals and organizations will be able to provide their leading services to MadeMill clients. This means that MadeMill is here to provide a growth platform to existing industry and encourage growth.

We want to partner with you! The programming at MadeMill will be developed to augment the existing value-add services that are offered by anchor tenants like Invest Ottawa (IO), The National Research Council's Industrial Research Assistance Program (NRC-IRAP), Ontario Centres for Excellence (OCE), Business Development Bank of Canada (BDC), and Canadian Manufacturers and Exporters (CME) to name just a few anchor service organizations. Contact the Innovation Centre at Bayview Yards to explore how to become part of this vibrant service ecosystem.

Key Areas of Service

MadeMill is opening its operation to provide critical value add services to entrepreneurs. In conjunction with a rich ecosystem of partners including Invest Ottawa, private businesses and public academic institutions, MadeMill will provide a suite of publicly accessible design, technology, project management, and business development services. While we are open for all clients, our funding portfolio places special emphasis on Clean Technology, Medical, Aerospace / Defense, and Wearable Technology. Social Innovation in these and other categories also constitutes a major priority for MadeMill and ICBY.

At a high level, these service areas include:

- Advanced Manufacturing (Additive and Subtractive)
- Digital Media and Web
- Virtual Visualization
- Wearable and IoT Devices
- Mobile Applications

MadeMill is moving forward to establish the following key services which will expand cumulatively each year.

2016-2017	2017-2018	2018 -2019
Makerspace <ul style="list-style-type: none"> • 3D Printing • 3D Industrial Design • Prototype CNC Milling • Traditional Milling / Lathe • Welding / Soldering • Finishing / Painting • Signage / Mobile Infrastructure • Construction and Assembly Digital Media Lab <ul style="list-style-type: none"> • Hololens Augmented Reality Environments • HTC Vive Virtual Reality Sessions • WebGL Online Environments • Photography / Videography • Audio Production • Web Development • Community Workshops Workshops <ul style="list-style-type: none"> • Technology Demonstrations • 3D Design Workshops • Media Production 	<ul style="list-style-type: none"> • Makerspace • Laser Cutting • 3D Scanning • Circuit Integration (sensors, Wifi, LTE, etc.) • Wearable Technology (IoT) / Web Portal Integration • Medical 3D Printing • Enclosure / Kiosk Construction and Assembly • Cold-Spray Additive Manufacturing / Repairs Digital Media Lab <ul style="list-style-type: none"> • Mobile App Development • Database and Data Visualization • Documentary Film • Event Video Production • Multi-user Virtual Reality Events • Drone Videography Workshops <ul style="list-style-type: none"> • Design for Manufacturing • Designer in Residence Sessions • VR Product Showcases 	Makerspace <ul style="list-style-type: none"> • Injection Moulding • Clean Tech Energy Development (PV Tracking / Stirling Engines) • Drone and Aerospace Components Digital Media Lab <ul style="list-style-type: none"> • Motion Tracking • Projection Mapping <i>Additional services and workshops to be determined by demand within the first one-two years of operation.</i>

All services are subject to change due to demand, budget, and business need and ecosystem partnership availability. Please refer to our website for the latest service offerings.

Prototype Innovation Program (PIP)

At MadeMill, we want to ensure we offer students, social innovators and enterprises the same access to service levels as entrepreneurs. The Innovation Centre at Bayview Yards, together with Ottawa based post-secondary institutions and key stakeholders, will stimulate the development of the next-generation of Ottawa-based firms by establishing a Prototype Innovation Program that awards eligible recipients up to \$100,000 per year from 2016 to 2018 in subsidized services from MadeMill.

PIP will provide valuable funding to the following demographics:

- **Entrepreneurial students at Ottawa's post-secondary institutions** (including Carleton University, the University of Ottawa, Algonquin College and La Cité Collegiale) for pre-qualified R&D and prototyping projects that could benefit from the advanced tools, technologies and equipment available through the Maker Space and Digital Media Lab at the Innovation Centre (which are not available on-campus);
- **Multinational corporations** that collaborate with entrepreneurial students on industry-led R&D and prototyping projects on a 50/50 cost-shared basis; and
- **Social innovators and enterprises** from diverse disciplines including those delivering on arts and culture, environmental, and/or social missions will be designing potential solutions to emerging social issues.

We believe that hands-on experimentation through prototyping, iterative design, and recursive evolution will provide a unique learning-by-doing environment for students keen on developing technological innovation skills for the 21st century. The PIP will provide this opportunity to unleash the potential of students and social innovators to solve real world challenges.

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