We develop green advanced manufacturing technologies meeting the demand of the fourth industrial revolution

Established in 2006, the Electrochemical Green Engineering (EGE) Group draws from several disciplines across science, technological and engineering fields.

This multidisciplinary approach, together with its strong expertise in electrochemistry, gives the EGE Group a unique position to conduct research in advanced manufacturing for industry and academia.

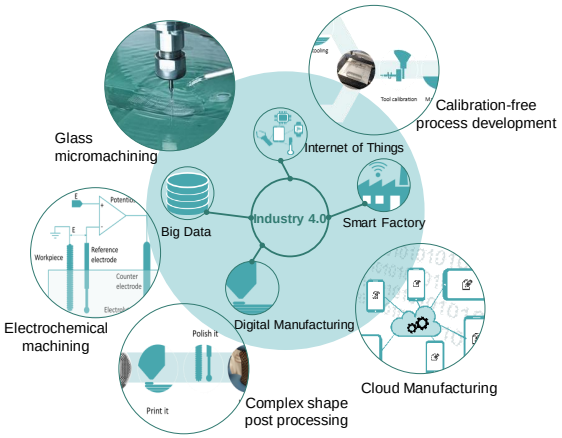
Notes:

Electrochemical Green Engineering Group
1455 De Maisonneuve Blvd. West, Montreal, H3G 1M8, Canada

Electrochemical Green Engineering Group

Research in advanced manufacturing and electrochemical technologies to support the fourth industrial revolution.

UNIVERSITÉ Concordia UNIVERSITY



Our vision

Our research focuses on electrochemical techniques for green-manufacturing. We develop innovative solutions for additive manufacturing, micro-machining and surface engineering – from the millimeter to the atomic scale.

Main research domains

Our interests cover a wide range of applications from glass micromachining to the development of novel approaches to manufacture highly active electrocatalysts free of noble metals.

We support applied and fundamental research, student education, training and professional development. We put our knowledge at the service of the community and industry in order to allow the birth of novel and innovative solutions that meet today's demand in the field of advanced manufacturing, in particular in the context of manufacturing highly customized parts as required by Industry 4.0.

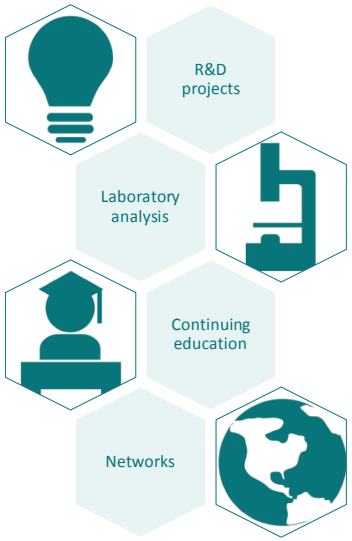
Your success is our motivation

In the context of shortened technology life cycles and global competition, technology scouting and innovation gain in importance. We strongly believe that innovation is the motor of a sustainable business growth.

When you enter a collaboration with us, you can be insured that your success is our priority. We have a long success history with a wide variety of industrial and academic partners.

What our customers think

"We have a long history of joint developments with EGE and see that the interaction between our developers and their experts brings to us new and innovative solutions."
René Stössel – CEO Posalux SA



Our customers cover a wide spectra of applications

- Posalux SA, leading manufacturer of micro-technology machines
- Axis Prototypes, one of Canada's premier 3D printing companies
- Alphacasting, leader in precision investment casting

Key offerings

We offer a variety of services around innovation such as research and development projects, advanced laboratory analysis and continuing education.

Together with our worldwide network we can enter into co-development and co-creation projects fitting your specific needs.

Access to research funding

Being part of Concordia University, we have access to a wide range of research and development funding scheme from private and governmental sector insuring you will find the right tool to finance your project.

Contact Us

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