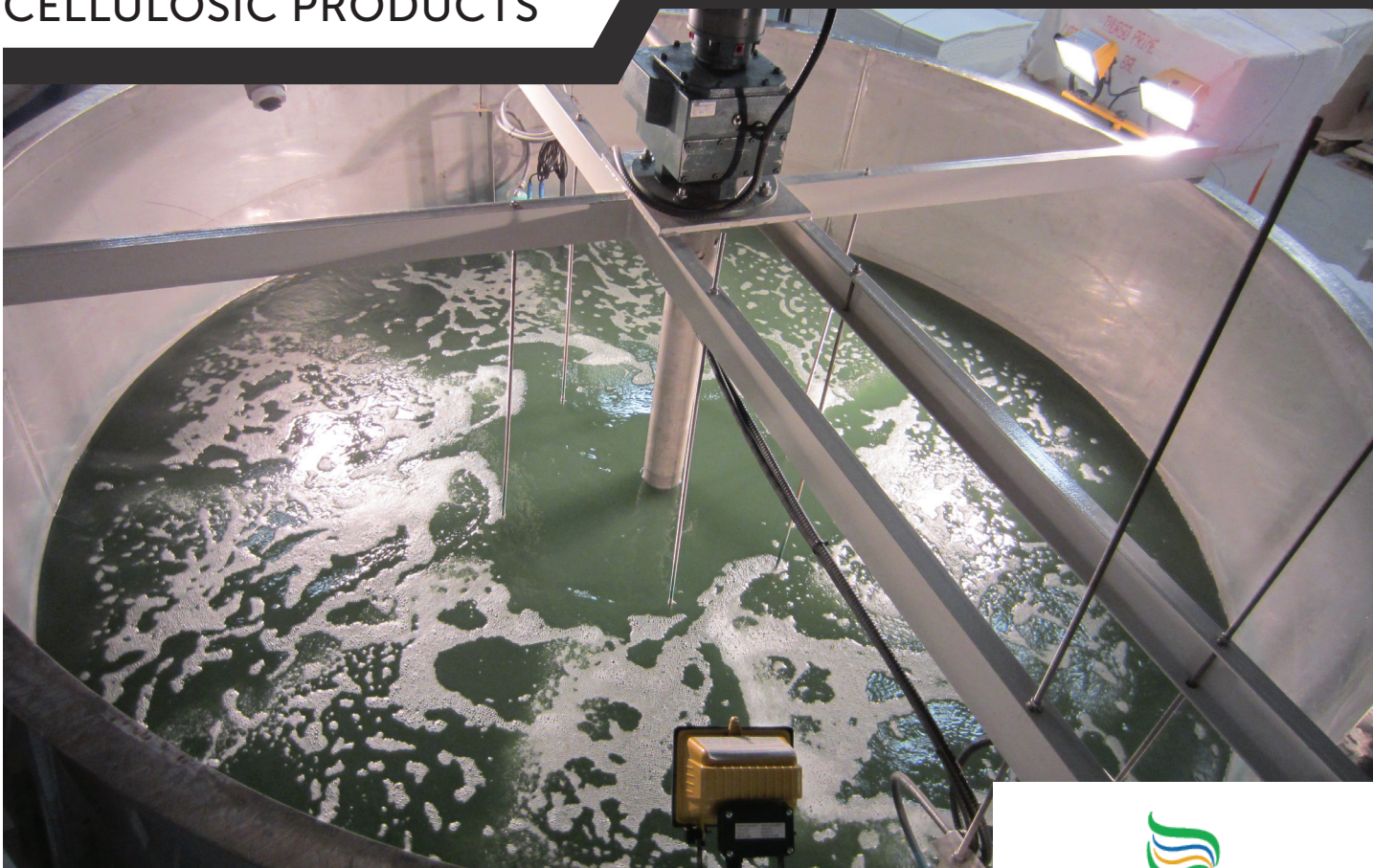


INNOFIBRE – CENTER FOR THE INNOVATION OF CELLULOSIC PRODUCTS

Proud member of
Tech-Access Canada



SERVICES OFFERED IN:

French and English



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Innofibre contributes to the technological positioning and sustainable development of the pulp, paper, and biorefinery industry in Quebec by supporting innovation and diversification of biomass products, and by adapting emerging paper technologies.

AREAS OF INNOVATION EXPERTISE

- Pulp, paper, cardboard and thermoformed fibers
- Pretreatment of lignocellulosic biomasses
- Bio-refining and thermochemical conversion (biochar)
- Development of processes and treatments
- Development of special paper products, custom-made
- Bioactive paper products

Affiliated with Cégep de Trois-Rivières

TECHNICAL AND BUSINESS SERVICES

- Components/parts fabrication
- Fabrication, Prototyping and Installation Services
- Ingredient selection and recommendations
- IP Protection facilitation
- Pilot trials and mini productions (incubation of products)
- Printability testing and analysis
- Problem solving
- Production of pre-commercial batches
- Regulatory guidance
- Sample analysis & testing
- Scientific and technological monitoring
- Scientific report writing
- Technical assistance (consultation, comparative analysis of technologies, tests and analysis)
- Technical feasibility of process, product
- Technology development
- Technology evaluation / validation
- Testing Services
- Validation of processes, equipment, performance tests

APPLIED RESEARCH AND DEVELOPMENT

- Concept validation
- Design of Experiment
- Laboratory/industrial/pilot scale prototyping
- Performance monitoring and analysis
- Process optimization
- Product Design & Development
- Provincial and federal grant proposal development
- Report preparation on R&D results
- Technology validation and transfer

TRAINING

- Corporate on-site & in-house training
- Curriculum development
- Design, development, and delivery of customized training
- Interactive Workshop Sessions
- Needs assessment and gap analysis
- Qualitative & quantitative research
- Skills assessment/Competency evaluation
- Training planning
- Train the trainer

TECHNOLOGY DIFFUSION

- Customized technology demonstrations
- Industry-specific events & symposia
- Literature Review
- Networking events
- Open houses - Testing facility & personnel
- Participation at trade shows & other venues with or on behalf of partners
- Presentation of results at conferences
- Publishing in Peer Reviewed Literature
- Rental of space & equipment
- Seminars and Workshops
- Technical publications

INVENTORY OF SPECIALIZED EQUIPMENT

- ANALYTICAL APPARATUS
 - Analysis of wet pastes
 - Chemical and environmental analysis
 - Gas sampling system
 - Image analysis and microscopy
 - Paper and board analyzers
 - Portable gas analyzer
 - Rheology
 - Wood chip analysis
- BIOREFINING EQUIPMENT
 - Biomass boiler
 - Mechanical Fragmentation
 - Reactive fractionation
 - Roaster
 - Washing / Pressing
- LABORATORY TESTS
 - Bleaching of pulp
 - Manufacturing of pulp
 - Manufacturing of sheets
 - Recycling and deinking
 - Surface treatment
- PULPING EQUIPMENT
 - Chemical pulp
 - Mechanical pulp
- PULP TREATMENT EQUIPMENT
Innofibre's experimental PAPER MACHINE consists of the following parts:
 - SLEEPING / CONTROLLED PILOT UNIT
 - SUPERCALANDER
 - THERMOFORMING PILOT UNIT