


**SERVICES OFFERED IN:**

English and French

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OLEOTEK helps businesses innovate in the areas of renewable chemistry, green chemistry and the piloting of processes. We work with businesses to support them in developing more environmentally friendly industrial products.

AREAS OF INNOVATION EXPERTISE

- Green chemistry
- Piloting of processes
- Renewable chemistry
- Oleochemistry
- Pre-commercial production
- Formulation

Affiliated with the Cégep de Thetford

TECHNICAL AND BUSINESS SERVICES

- Business Mentorship referrals
- Commercialization referrals
- Concept ideation & design review
- Early-Stage Business Development
- Field trials/Simulation
- Ingredient selection and recommendations
- IP Protection facilitation
- Literature reviews
- Market analysis
- Marketing Advisory Services referrals
- Problem solving
- Production of pre-commercial batches
- Project management
- Proof of concept
- Regulatory guidance
- Reverse engineering
- Sample analysis & testing
- Scientific and technological monitoring
- Scientific report writing
- Technical assistance (consultation, comparative analysis of technologies, tests and analysis)
- Technology & workflow consultation
- Technology development
- Technology evaluation / validation
- Testing Services
- Venture Capital referrals

APPLIED RESEARCH AND DEVELOPMENT

- Concept validation
- Cost avoidance
- Design of Experiment
- Laboratory/industrial/pilot scale prototyping
- Manufacturing process design and development
- Process optimization
- Product Design & Development
- Product Re-design & Improvement
- Provincial and federal grant proposal development
- Regulatory guidance
- Report preparation on R&D results
- Technology validation and transfer

TRAINING

- Connections to co-op placement opportunities
- Corporate on-site & in-house training
- Design, development, and delivery of customized training
- Referral to continuing education services

TECHNOLOGY DIFFUSION

- Field site product demonstration
- Industry-specific events & symposia
- Literature reviews
- Networking events
- Open houses - Testing facility & personnel
- Presentation of results at conferences
- Publishing in Peer Reviewed Literature
- Rental of space & equipment
- Seminars and Workshops
- Technical publications

INVENTORY OF SPECIALIZED EQUIPMENT

- 20, 120, 200, 400, and 800-litre reaction vessels
- Automatic mechanical cleaning filter
- Automatic titrator
- Automatic viscometer
- Brookfield viscometer
- Carbon Residue
- Cloud point – flow point
- Decanting funnel
- Differential scanning calorimetry (DSC)
- Doigt distiller
- Flash point
- Fractionation pilot
- Friction measurement system (Four-Ball Wear)
- Gas chromatography with direct injection (COC-GC-FID)
- GC-MS (Gas chromatography–mass spectrometry)
- Infrared spectrophotometer (FTIR)
- Kugelrohr
- Multi-bag filter
- Nuclear magnetic resonance (NMR) spectroscopy
- Penetrometer
- Pilot plant
- Press filter
- Rancimat0
- Reaction vessels
- Rotary evaporator with 20-litre capacity
- Rotovap
- RPVOT
- Seed press
- Single-stage wiped-film evaporator
- Thermogravimetric analysis (TGA)
- Ultrasound probe
- UV-visible spectrophotometer
- Vertical pressure leaf filter