

# MERINOV - THE QUÉBEC CENTRE FOR INNOVATION IN AQUACULTURE AND FISHERIES

Proud member of  
**Tech-Accès** Canada



## SERVICES OFFERED IN:

English and French



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Merinov - the Québec Centre for Innovation in Aquaculture and Fisheries - is Canada's largest integrated Technology Access Centre for applied research, innovation and technology transfer in the areas of fisheries, aquaculture, processing, biomass and marine biotechnology.

## AREAS OF INNOVATION EXPERTISE

- Fisheries and Aquaculture
- Industrial processes and seafood processing
- Adding value to biotechnology products and processes
- Development of ingredients and food products
- Support and technologies for marine environmental monitoring

*Affiliated with Cégep de la Gaspésie et des îles*

## TECHNICAL AND BUSINESS SERVICES

- Assistance with building products approvals and commercialization
- Concept ideation & design review
- Design Services
- Early-Stage Business Development
- Fabrication, Prototyping and Installation Services
- Field trials/Simulation
- Marketing Advisory Services referrals
- Performance Monitoring and Management
- Pilot trials and mini productions (incubation of products)
- Problem solving
- Production of pre-commercial batches
- Product testing
- Project management
- Regulatory guidance
- Scientific and technological monitoring
- Scientific report writing
- Technology & workflow consultation
- Validation of processes, equipment, performance tests

## APPLIED RESEARCH AND DEVELOPMENT

- Automation
- Concept validation
- Laboratory/industrial/pilot scale prototyping
- Manufacturing process design and development
- Performance monitoring and analysis
- Process optimization
- Product Design & Development
- Product Re-design & Improvement
- Report preparation on R&D results
- Reverse Engineering
- Robotics and automation and imaging
- Technology validation and transfer

## TRAINING

- Connections to co-op placement opportunities
- Corporate on-site & in-house training
- Curriculum development
- Design, development, and delivery of customized training
- Interactive Workshop Sessions
- Needs assessment and gap analysis
- Referral to continuing education services
- Skills assessment/Competency evaluation
- Training planning
- Train the trainer
- Qualitative & quantitative research

## TECHNOLOGY DIFFUSION

- Customized technology demonstrations
- Evening speaker series
- Field site product demonstration
- 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

- Specialized Laboratories
  - Aquaculture and wet laboratories (Magdalen Islands and Grande-Rivière) with intake and freshwater intakes. These facilities are capable of raising fish, crustaceans and molluscs according to various production parameters. All the laboratories have a quarantaine unit
  - Fishing gear design laboratory
  - Laboratories for analysis of images on microscopic observations or video sockets
  - Laboratory for the production of macro algae.
  - Laboratory of analytical and preparatory chemistry
  - Laboratory of Microbiology on Food Pathogens
  - Laboratory of microbiology on the marine environment (ISO 17025)
  - Laboratory of rheology (temperature, analysis of texture, color or viscosity)
  - Multifunctional laboratories for biological analyzes of organisms and their conservation
  - Sensory and organoleptic evaluation laboratory
- Aquaculture Monitoring equipment (oxygen, temperature, etc.)
- Equipment for environmental monitoring (current meter, multi-parameter probes, etc.)
- Equipment for producing macro and micro algae.
- Fleet of nine research vessels ranging from the 5-meter inflatable to the 15-meter versatile research vessel.
- Food development platform (408 m2), equipped with three multipurpose rooms, houses pilot equipment for the development of prototypes
- Underwater video equipment