
AN OVERVIEW OF CLEANTECH IN QUÉBEC

Quebec is home to nearly 1000 organizations operating in the cleantech sector, including over 200 research groups. Here is a sampling of the approximately 500 innovative companies.

2017

ēcotech
Québec

COMPANIES BY SECTOR

TRANSPORTATION

Smart grid, electric vehicles and component manufacturing

- ADDENERGIE
- CONCEPT GEEBEE
- CVTCORP
- ECOTUNED AUTOMOBILE
- EFFENCO
- LITO
- MOGILE TECH
- MOTREC INTERNATIONAL
- NETLIFT
- PRÉCICAD
- RENEWZ
- TM4



SOIL

Remediation and groundwater treatment

- ALLIANCE MAGNÉSIUM
- ENUTECH
- INNORD
- NIPPON DRAGON RESOURCES
- NORTHEX ENVIRONNEMENT
- ORBITE TECHNOLOGIES



AIR

Air pollution, GHG and VOC reduction, cap and trade

- BIOTHERMICA
- CARBONIQ
- CO2 SOLUTIONS
- GHGSAT
- ODOTECH



WATER

Purification, conservation
and industrial processes

- AQUAREHAB
- AQUARTIS
- AQUATECH
- BRIO GROUP
- E2METRIX
- ÉCONEAU
- ECOFIXE TECHNOLOGIES
- H2O INNOVATION
- LABORATOIRE M2
- MAGNUS CHEMICALS
- TECHNOLOGIES CLINNUP
- TRANSTECHNIKA M.I.
- WATERSHED
MONITORING



GREEN CHEMISTRY

Biocomposites, bioplastics,
bioproducts and
bioprocesses

- BIOAMBER
- BIO-LUB CANADA
- CELLUFORCE
- EARTH ALIVE CLEAN
TECHNOLOGIES
- ÉCOPOTO
- ENERKEM
- GDG
ENVIRONNEMENT
- INNO 3B
- INNORD
- KRUGER
- BIOMATÉRIAUX
- LABORATOIRE M2
- MAGNUS CHEMICALS
- PYROBIOM ÉNERGIES
- SIGMA DEVTECH
- TECHNOLOGIES CLINNUP
- TGWT
- TRANSTECHNIKA M.I.
- VENTIX



ENERGY EFFICIENCY

Management (energy
recovery) and reduction
of demand at the source

- AEPONYX
- AÉRONERGIE
- ATIS TECHNOLOGIES
- AZASTRA OPTO
- CARNOT
RÉFRIGÉRATION
- CONCEPT GEEBEE
- CVTCORP
- EFFENCO
- GROUPE ÉNERSTAT
- INNORD
- NANOPHYLL
- NIPPON DRAGON
RESOURCES
- NORDRY
- NOVOTHERMIC
- OCO TECHNOLOGIES
- ORBITE TECHNOLOGIES
- PRÉCICAD
- PYROMAITRE
- RACKAM
- SIGMA ENERGY
STORAGE
- SOTECK
- TRIGO ÉNERGIES
- UBIOS
- VERIDIS SOLUTIONS
- VARITRON
- VIZIMAX
- VOLTS ENERGIES



RENEWABLE ENERGY

Energy production, storage, infrastructure and biofuels



- AIREX ÉNERGIE
- ATIS TECHNOLOGIES
- AUDACE TECHNOLOGIES
- BIO-TERRE SYSTEMS
- BIOTHERMICA
- BOREAL GEOTHERMAL
- EBI ÉNERGIE
- ELECTRIGAZ
- ENERKEM
- EOOCYCLE TECHNOLOGIES
- GREENFIELD ETHANOL
- IDÉNERGIE
- INNERGEX
- LEKLA
- LYKO SYSTEMS
- MARMOTT ÉNERGIES
- PYROBIOM ÉNERGIES
- RACKAM
- SYSGAZ
- VISION ENVIRO PROGRESSIVE
- VOLTS ENERGIES
- XEBEC

WASTE

Collection, disposal, sorting, recycling, waste-to-energy, waste-to-value



- 2M RESSOURCES
- 5N PLUS
- AIREX ÉNERGIE
- ALLIANCE MAGNÉSIUM
- BAUVAL GROUP
- BERLIE TECHNOLOGIES
- BIO-TERRE SYSTEMS
- EBI ÉNERGIE
- ELECTRIGAZ
- ÉLECTROBAC
- ELECTROCHEM TECHNOLOGIES & MATERIALS
- ENERKEM
- GREENFIELD ETHANOL
- INNORD
- INNOVEOX CANADA
- KOSMOS INNOVATION
- MABRE CANADA
- MACHINEX
- ORBITE TECHNOLOGIES
- 2M RESSOURCES
- PURESHPERA
- PYROGENESIS CANADA
- PYROWAVE
- SHERBROOKE OEM
- SIGMA DEVTECH
- SWEET GAZOIL
- TRANSTECHNIKA M.I.
- TRICENTRIS
- VERTAL
- VISION ENVIRO PROGRESSIVE

AGRICULTURE

Yield & food quality : crop production, livestock and aquaculture



- AGRISOMA
- EARTH ALIVE CLEAN TECHNOLOGIES
- FILMORGANIC
- INNO 3B
- INOCUCOR
- LABORATOIRE M2
- LARVATRIA CORPORATION
- LUFA FARMS

ALPHABETICAL LISTING OF COMPANIES

2M RESSOURCES

2mresources.com



In business since 1999, 2M Ressources has developed innovative solutions for remelting and recycling glass from refundable bottles and municipal curbside collection programs. Very active in R&D, the company will soon start transforming glass into a finer-grain product that can be used in insulation.

5N PLUS

5nplus.com



A leading producer of metal salts and specialty metals, 5N Plus manufactures products used in a number of advanced pharmaceutical, electronic and industrial applications. 5N Plus has developed expertise that enables it to offer customers recycling solutions that transform an environmental liability into a significant source of supply.

ADDENERGIE

addenergietechnologies.com



A leading supplier of charging solutions for electric vehicles, AddÉnergie develops, manufactures and operates in all market segments (public, employer, multi-residential, fleet, and residential). The company supplies the charging infrastructure for Canada's two largest charging station networks. AddÉnergie provides the products and software necessary to manage these networks and will soon launch new networks with international partners.

AEPONYX

aeponyx.com



Aeponyx develops and manufactures semiconductor chips for cloud computing. Its green and economic optical microswitches aim to reduce the environmental impact of network operators and data centers.

AÉRONERGIE

aeronergie.com



Aéronergie designs, produces, installs and monitors energy-saving ventilation equipment. Aéronergie offers a range of products (heat recovery units, solar walls, air curtains) that, combined with its expertise, help building operations minimize the amount of energy used on air handling.

AGRISOMA

agrisoma.com



Agrisoma develops and markets Ethiopian mustard (carinata) under the brand name Resonance. This oilseed crop grows well in soils unsuitable for the production of many major food crops; it delivers oil for biofuels and protein for animal nutrition.

AIREX ÉNERGIE

airex-energy.com



Airex Energy has developed a technology for biomass torrefaction. Using a cyclonic bed reactor, CarbonFX will enable the large-scale production of biocoal from raw materials like woody biomass and agricultural waste.

AQUAREHAB

aquarehab.com



For more than 20 years, the mission of Aquarehab has been to develop and install intelligent alternatives to the traditional replacement of conduits in underground water and sewer system infrastructures by offering a wide range of non-invasive, robust and more cost-effective technological solutions.

AQUARTIS

aquartisworld.com



Aquartis designs, manufactures and delivers high-performance, stand-alone grey water recycling systems. Installed in buildings, these systems can help significantly reduce water consumption in single-family dwellings, apartment buildings, hotels, work camps, etc.

AQUATECH

aquatech-inc.com



Since 1981, Aquatech has been providing municipalities and industries with specialized services in the management, operation and maintenance of water treatment facilities, including drinking water treatment and distribution systems, and wastewater collection systems.

**ALLIANCE
MAGNÉSIUM**

alliancemagnesium.com



Alliance Magnesium has developed an electrolysis-based technology for the production of magnesium. The Alliance Magnesium process uses serpentine rock (asbestos mining tailings) as a raw material, turning an environmental issue into an economic success.

ATIS TECHNOLOGIES

atis-tech.com



Atis Technologies supplies the industrial and food processing sectors with solutions that greatly reduce energy consumption and increase profitability by combining renewable energy with effective energy management. Atis Technologies has developed energy management and control systems that optimize performance and deliver results.

AUDACE TECHNOLOGIES

ati-eolien.com



Audace Technologies has developed a green generator, the GreenCube, a low-cost, reliable alternative to diesel systems that combines solar and wind energy for off-grid sites. These turnkey systems can be adapted for lighting, telecommunications, irrigation/water treatment, etc. The company has two assembly plants: one in Dakar, Senegal, and the other in Sept-Îles, Quebec.

AZASTRA OPTO

azastra.com



Azastra Opto focusses its activities on the development and sale of optoelectronic components like high-performance phototransducers and optocouplers used in various fibre-optic applications, notably for energy transmission in hybrid or electric vehicles.

BAUVAL GROUP

bauval.com



Groupe BauVal specializes in industrial aggregates, concrete, materials and services. Its aggregate processing activities aim to recycle and recover cement and bituminous concrete from parking lots, streets and highways so it can be crushed and made into new recycled aggregate materials.

BERLIE TECHNOLOGIES

berliefalco.com



Berlie Technologies designs, manufactures and installs various processes and equipment used to treat municipal and industrial organic waste: anaerobic digestion, biogas recovery, dewatering and drying. Its technology can reduce processing times to approximately 7 days, compared to the 20 days required with conventional anaerobic digestion processes.

BIOAMBER

bio-amber.com



BioAmber has developed a process for biorefining succinic acid from fermented cellulosic sugar using a patented, CO₂-enriched yeast. BioAmber is co-owner and operator of the largest succinic acid plant in the world. This bioproduct can be used to make a number of products used in many industries (automobile, electronics, construction, food, cosmetics, clothing, etc.).

BIO-LUB CANADA

bio-lubcanada.com



Bio-Lub Canada Inc. specializes in ecological, biodegradable, bio-sourced products made of renewable materials. From lubricants to hydraulic oils and multi-purpose cleaners, Bio-Lub Canada's products are both safe and effective.

BIO-TERRE SYSTEMS

bioerre.com



To reduce the carbon footprint and GHG of agricultural and agro-food industries, Bio-Terre Systems' technological approach combines low-temperature anaerobic digestion, the concentration of solids and the production of renewable energy. The technology helps generate energy while ensuring a stable operating environment, even with high concentrations of nitrogen.

BIO THERMICA

biothermica.com



Biothermica supplies and installs patented systems for the destruction or recovery of industrial air pollution, landfill gas emissions and biomass for the production of renewable energy. The company also invests in infrastructure projects that make use of its proprietary technologies. Biothermica is the owner of a coal mine ventilation air methane (VAM) abatement system in Alabama that operates using its VAMOX technology.

BOREAL GEOTHERMAL

boreal-geothermal.com



Boreal Geothermal supplies a wide range of geothermal heating and air conditioning systems. This exceptionally clean, combustion-free technology enables users to save more than 66% in annual energy costs.

BRIO GROUP

bri-o.com



Groupe Brio crée des équipements de traitement de l'eau. Cette nouvelle technologie peut s'appliquer au recyclage d'eaux grises du secteur institutionnel ou commercial comme les buanderies et les lave-autos. Spécialisé dans le lave-autos intelligent alimenté à l'eau de pluie, Groupe Brio a développé une technologie pour recycler la totalité de l'eau de lavage et ainsi économiser 5 millions de litres par année par emplacement.

CARBONIQ

carboniq.com



Carboniq provides knowledge, technical services, and carbon capture and storage (CCS) solutions to industrial emitters of greenhouse gases (GHG). It also helps reuse captured carbon dioxide (CO₂).

CARNOT RÉFRIGÉRATION

carnotrefrigeration.com



Carnot Refrigeration designs and manufactures high-end, energy efficient systems using environmentally friendly methods. It specializes in CO₂ refrigeration systems with heat recovery for supermarkets, refrigerated warehouses and arenas, as well as air conditioning for server rooms.

CELLUFORCE

celluforce.com



CelluForce is the world leader in the commercial production of nanocrystalline cellulose (NCC), a new material that is abundant, renewable and biodegradable. With its partners, the company is developing new and improved NCC-based products for materials like adhesives, plastics, cement and paints.

CO2 SOLUTIONS

co2solutions.com



CO2 Solutions is the leader in the field of CO2 capture. Its patented enzymatic technology efficiently captures carbon from major emissions producers like coal-fired power plants and aluminium smelters. CO2 Solutions lowers the acquisition cost of carbon capture and storage processes, making it a viable tool for reducing CO2 and enabling industry to convert its waste into marketable products.

CONCEPT GEEBEE

conceptgabee.com



Concept GeeBee develops and manufactures an electric vehicle, with two wheels aligned, on which the driver remains standing: the GeeBee. It is an all-terrain vehicle that can be used on medium distances.

CVTCORP

cvtcorp.com



CVTCORP develops, manufactures and markets continuously variable transmissions (CVT), including one for generators that can reduce fuel consumption by 25%, provide a return on investment in less than a year and reduce GHG emissions by approximately 100 metric tonnes per vehicle. CVTCORP is also active in the agricultural and heavy machinery sector.

E2METRIX

e2metrix.com



E2Metrix supplies innovative systems for treating wastewater and recirculating water that remove target contaminants like phosphorous, ammoniacal nitrogen, metals, bacteria, etc. Many industries and municipalities use its electrolysis technology platform (e.g., electro-disinfection, electrocoagulation, electro-oxidation) and the Government of Canada is one of its renowned clients.

EBI ÉNERGIE

ebiqc.com



EBI Énergie has developed and launched a biogas processing facility (inaugurated in 2003) that uses a process unique in Canada to convert biogas into renewable natural gas. In 2012, EBI Énergie also launched a cogeneration plant that transforms a portion of its biogas into heat and electricity.

EARTH ALIVE CLEAN TECHNOLOGIES

earthalivect.com



Earth Alive Clean Technology has developed a microbial technology used for two main functions: a biofertilizer at the cutting edge of sustainable agriculture, currently widely used on farming operations from Africa to Latin America, and a patent-pending, microbial dust control technology marketed to the global mining industry that reduces up to 80% of the water used for this purpose.

ECOFIXE TECHNOLOGIES

ecofixe.com



Technologies Ecofixe specializes in wastewater treatment. It has developed an innovative bioaugmentation system that can increase the processing capacity of wastewater treatment facilities. The Ecofixe system is economic, energy efficient and chemical-free.

ÉCONEAU

econeau.com



Écôneau designs, manufactures and markets rainwater harvesting systems in Quebec. Rainwater is recovered from roof gutters, filtered and stored in off-shore or underground tanks for future use (eg filling a pool, cleaning a car, feeding the toilet or the washer).

ÉCOPOTO

ecopoto.com



Écopoto has developed biocomposite utility poles designed for power distribution lines. Made using an innovative manufacturing process, these polymer poles address the problems associated with traditional wood utility poles. An economic, environmentally friendly solution, these poles are designed to prevent the soil and water contamination caused by traditional toxic poles.

**ECOTUNED
AUTOMOBILE**

ecotuned.com



Ecotuned Automobile is specialized in the electric conversion of gas-guzzling light trucks with the world's first reusable electric drive system. With a lifespan of 1 million km, the system can be installed and reused up to 5 times in 85% of the light trucks on the market. In addition, the technology is designed to be easily installed by most North American auto shops.

EFFENCO

effenco.com



Thanks to its Active Stop-Start hybrid electrical system, Effenco enables vocational truck fleet operators (garbage, recycling, delivery, cherry pickers) to eliminate fuel consumption related to idling. Fuel consumption drops by 30%, GHG emissions are cut by 19 to 28 metric tons per year, and maintenance costs are reduced.

ELECTRIGAZ

electrigaz.com



Electrigaz specializes in the study, design and creation of biogas systems that responsibly and profitably manage organic waste from farms, agro-food industries and municipalities.

ÉLECTROBAC

electrobac.com



Electrobac offers a simplified way to encourage the recovery of obsolete electronic equipment: intelligent recycling bins. Electrobac collects small electronic objects and is notified from a distance when bins are full. The collected electronics are then sent to certified-processing.

ELECTROCHEM TECHNOLOGIES & MATERIALS

electrochem-technologies.com



Electrochem Technologies & Materials supplies processes patented in several jurisdictions for the electrochemical processing of metallurgical waste, chemical effluents and mine waste, the recycling of rare earth elements from fluorescent bulbs and the production of tantalum and niobium using pyrometallurgy and hydrometallurgy. It also manufactures electrode materials used in the field of water treatment, metallurgy and the chemical industry.

ENERKEM

enerkem.com



Thanks to its proprietary thermochemical technology, Enerkem converts non-recyclable waste into synthesis gas, and then into methanol, ethanol and other intermediate products that can be used in the manufacture of common consumer products. By using waste instead of fossil fuels, Enerkem is responding to the growing demand for renewable chemicals and energy sources while at the same time reducing landfill and GHG emissions.

ENUTECH

enutech.ca



Enutech has been conducting site assessments and soil and groundwater decontamination projects across Canada since 2002. Focussing on Research & Development, Enutech specializes in in situ treatments and offers site-specific injectable products.

EOCYCLE TECHNOLOGIES

eocycle.com



Eocycle Technology designs, manufactures and commercializes worldwide the EO20/25, a 20/25kW wind turbine that offers energy independence to rural communities. Equipped with patented generator technology, the EO20/25 is a direct drive wind turbine that stands out for its financial performance, reliability and an extended warranty that provides peace of mind.

FILMORGANIC

filmorganic.com



FilmOrganic specializes in the development and manufacture of 100% compostable bio-plastic mulch films that increase agricultural yields. FilmOrganic mulch films biodegrade naturally when under the soil but remain intact when on the surface; they free up labour, save time and money and simplify clean-up operations.

GDG ENVIRONNEMENT

gdg.ca



GDG Environnement is a centre of expertise that develops and supplies solutions to quality of life issues in municipalities: vector (biological) control of biting insects, ecological control of invasive plants and an environmentally friendly abrasive.

GHGSAT

ghgsat.com



GHGSat has developed the world's first satellite capable of monitoring air quality gas and greenhouse gases emitted by individual sites. This satellite monitoring solution is useful for the industrial sites of regulated sectors, particularly tar sands, energy production and waste management.

GREENFIELD ETHANOL

gfsa.com



GreenField Ethanol produces 450 million litres of ethanol annually, making it the largest such company in Canada. Its Cellulosic Ethanol Division is designing two processes for producing next-generation biofuels from agricultural, forestry and municipal waste.

GROUPE ÉNERSTAT

groupeenerstat.com



Group Énerstat has developed a heating, cooling and dehumidifying system. Used in trucks, it reduces idling; used in buildings (integrated into existing systems), it reduces operating costs and increases overall performance.

H2O INNOVATION

h2oinnovation.com



H2O Innovation designs, manufactures and delivers water and wastewater treatment systems using membrane filtration. Developed by its multidisciplinary team, its solutions are adapted to all types of applications.

IDÉNERGIE

idenergie.ca



Idénergie develops and sells innovative renewable energy solutions: a one-of-a-kind river turbine, a new generation of solar converters and hybrid renewable energy systems adapted to its customers' needs. The company's mission is to revolutionize the industry through the introduction of advanced technologies to make renewable energy simpler and more accessible to all.

INNERGEX

innergex.com



A leader in the Canadian renewable energy industry, Innergex develops, owns and operates run-of-river hydroelectric facilities, wind farms and solar farms.

INNO 3B

inno-3b.com



INNO 3B develops agro-technology adapted for various applications, providing solutions for market segments such as the food and pharmaceutical industries, industrial processes and research centres. Light-Torrent technology generates enhanced yields using less energy, fewer resources, less time and a fraction of the space when compared to conventional growing methods.

INNORD

ressourcesgeomega.ca/innord-inc



Innord is a subsidiary of GéoMégA. Using free flow electrophoresis technology, GéoMégA's rare earth elements (REE) separation process has the potential to significantly reduce the capital needed to build separation facilities (compared to conventional methods), optimize REE recovery and improve the environmental performance of operations.

INNOVEOX CANADA

innoveox.com



Innoveox Canada uses a treatment and recovery solution for industrial effluents, particularly hazardous waste like hydrocarbons, oils, solvents, pesticides, resins, polymers and other organic compounds, including VOCs. Innoveox has developed a Supercritical Water Oxidation (SCWO) technology that uses a patented process to continually transform waste on site into renewable energy and clean, reusable water.

INOCUCOR

inocucor.com



Inocucor develops and designs microbial solutions to improve the natural performance of soil and water. Its natural macrobiotic solution accelerates and stabilizes plant growth and decaying organic waste to improve food production in various habitats.

KOSMOS INNOVATION

kosmosinnovation.com



Kosmos Innovation specializes in assessing, implementing and operating innovative processes to recycle industrial waste using an existing operational platform. These effective cost-saving processes replace the use of waste incineration and landfilling.

KRUGER BIOMATÉRIAUX

biomaterials.kruger.com



Kruger Biomaterials produces and commercializes FiloCell, cellulose filaments mechanically extracted from wood pulp fibre without the use of chemicals or enzymes. Flexible and light compared to other reinforcement additives, this new biomaterial offers a unique bonding capacity thanks to its high surface area. Kruger operates the world's first cellulose filament demonstration plant, which can produce up to 5 metric tons per day.

LABORATOIRE M2

thymox.com



Laboratoire M2's Thymox Technology specializes in "green" disinfection and bio-security products for a variety of environments. The active ingredients of its disinfectants include essential oils and plant extracts. Formulas can be adapted to specific markets or used in customized R&D projects.

LARVATRIA CORPORATION

larvatria.com



Larvatria offers the livestock food industry a renewable and competitive alternative to fish meal and oil supplements. Its exclusive processes use insect proteins instead of fish, which ensures the viability of oceans while providing food and CO2 traceability.

LITO

soraelectricssuperbike.com



Lito produces the first 100% electric luxury super bike, the Sora, which can travel up to 200 km on a single charge and boasts impressive acceleration. The Sora has received a number of design awards.

LEKLA

lekla.ca



Lekla has developed PIVO, a product that delivers clean, efficient energy solutions in off-grid situations. These remote-controlled autonomous power stations can supply cameras, detection and monitoring equipment, engines, pumps, LED road signs, etc.

LUFA FARMS

lufa.com



Lufa Farms grows vegetables, herbs and sprouts in urban rooftop greenhouses to provide fresh produce. Lufa Farms practices sustainable agriculture: recirculating irrigation water and recapturing rainwater, using biological pest controls, reducing energy consumption, growing on existing land (roofs) to make it more productive, and reducing packaging, transport, refrigeration and storage.

LYKO SYSTEMS

lyko.ca



LYKO specializes in autonomous electric systems development and manufacture. These systems enable our customers to use solar and wind energy for industrial and commercial applications in isolated regions and environments, in all climates.

MABRE CANADA

mabrecanada.com



Mabre Canada supplies furnaces that burn biomass (wood pellets or agricultural waste) to enable agricultural customers to dry grain faster and heat greenhouses or industrial buildings.

MACHINEX

machinexrecycling.com



Machinex designs and produces custom-made sorting and recycling technology for facilities around the world: disc screen separators, optical sorting equipment, trommels, bag openers, glass cleanup and recycling systems, over belt magnets, eddy current separators, etc. The technology can process construction and demolition debris, commercial and industrial waste as well as conventional municipal solid waste.

MAGNUS CHEMICALS

magnus.ca



Magnus Chemicals applies mechanical and chemical solutions in various fields of activity: water treatment for HVAC systems, industrial cleaners and specialty lubricants for machining metals. In addition, it has developed a range of ecological products, including the first EcoLogo certified corrosion inhibitor for closed loop systems.

MARMOTT ÉNERGIES

marmottenergies.com



Marmott Énergies makes geothermal energy affordable for homeowners by supplying it at a price slightly below that of electricity, with no initial investment on their part.

MOGILE TECH

chargeHub.com



Mogile Tech's ChargeHub is a platform with mobile and web interfaces that aggregates information on all the electric vehicle charging facilities in the United States and Canada in one place. ChargeHub supplies data and market intelligence in the form of reports, API access and white label solutions. ChargeHub also offers automotive manufacturers and dealerships a turnkey solution to help with the EV and plug-in hybrid sales process by taking care of the entire charging aspect from A to Z.

MOTREC INTERNATIONAL

motrec.com



Motrec International manufactures and commercializes a wide range of industrial electric vehicles. These vehicles can be fully customized to satisfy the most demanding applications related to the transport of people or the transport and handling of equipment.

NANOPHYLL

nanophyll.com



NanoPhyll develops, manufactures and distributes efficient «smart coatings» that can be integrated into its customers' products (glass, wood, ceramic, cement, metals, plastics, etc.). These products then become anti-microbial (e.g., labs, health, agri-food, HVAC), self-cleaning (commercial and industrial sector) or useful for smog mitigation (transportation and industrial sector) or de-icing (transportation and energy sector).

NETLIFT

netlift.me



Netlift is the only mobile ridesharing application in the world that can be used to combine a car ride with public transit. Netlift puts passengers together with drivers willing to share available space in their vehicle. Users save time and money, while reducing traffic congestion during rush hours.

NIPPON DRAGON RESOURCES

nippondragon.com



Nippon Dragon Resources is a hybrid mining and technology company. Its patented, fully mechanized «thermal fragmentation» process can surgically extract ore, resulting in 400% to 500% less dilution. The process thus lessens the environmental impact of ore handling and treatment and produces significant cost savings. It also increases the production capacity of existing installations and output of ounces.

NORDRY

nordry.co



Nordry provides sawmills and the lumber industry with efficient, reliable, profitable wood drying systems and solutions. Nordry designs its own technology and wood drying controls, adapting them to its customers' specific needs. The Spécialiste du bardeau de cèdre (cedar shingle specialist) doubled its sales with the help of a Nordry wood drying system, while reducing its energy costs and cutting pollution.

NORTHEX ENVIRONNEMENT

northex.net



Holder of a patented technology for remediating inorganic soil, Northex Environment inaugurated the first Quebec plant dedicated to treating soils contaminated by heavy metals. In addition, the Northex Environnement treatment plant can restore 200,000 tonnes of soil annually, contaminated with organic or mixed constituents. The company also has extensive expertise in in situ remediation and environmental characterization.

NOVOTHERMIC

novothermic.com



Novothermic has developed a patented dishwasher heat exchanger that recovers heat from the drains of commercial dishwashers, earning it a Kitchen Innovations Award. This product enables Novothermic's clients and partners to save up to 50% of the costs related to heating water for dishwashers.

OCO TECHNOLOGIES

ocotechnologies.com



OCO Technology provides various industrial sectors with complete outsourcing solutions for performance improvement and management, technology intensification and integration, technology research and innovation and technology projects funding. In addition, its research and development work have led to the creation of many products.

ODOTECH

odotech.com



Odotech provides technologies and services for the intelligent management of odours, dust and air contaminants. It develops and markets the Odowatch automated odour monitoring system, which uses e-Noses and real-time odour plume dispersion modelling in the neighbourhood. Industries and municipalities can thus proactively manage the operations of a site while reducing the costs of treating odours and other emissions.

ORBITE TECHNOLOGIES

orbitetech.com



With Orbite Technologies patented technology, clients can use a single process to extract three high-value products from the same aluminous clay deposit: smelter-grade alumina, high-purity alumina, and rare earths and metals. Orbite's activities have a smaller environmental footprint than the conventional process of extracting alumina from bauxite.

POLYSTYVERT

polystyvert.com



Polystygreen recycles polystyrene. Thanks to the natural solvent used in its concentrator, Polystygreen can reduce the volume of polystyrene to be transported to its plant by a factor of 10, thus cutting both the costs and GHG associated with transportation. Its patent-pending technology for separating the solvent and polystyrene produces a high-quality recycled product that can be reintroduced into the polystyrene production chain.

PRÉCIDAD

precidad.com



An industrial design and engineering services company established in 1993, Précicad offers its customers integrated product development services (industrial design, mechanical engineering, numerical simulation). Précicad has designed an electric industrial truck made of aluminium, which is manufactured and marketed by its sister company, Kargo.

PURESPHERA

puresphera.com



PureSphera specializes in the recycling of appliances containing ozone depleting substances (ODS). Unique in North America, the company's plant is devoted to recycling domestic refrigerators and freezers. Thanks to leading-edge technologies, PureSphera exceeds environmental standards when it comes to managing ODS and reaches a recycling rate of over 95% on the materials recovered.

PYROBIOM ÉNERGIES

pyrobiom.com



Pyrobiom Energies works in the production of biofuel resulting from the transformation of timber resources. The company designs and establishes pyrolytic oil producing plants, a second-generation renewable energy offering a high-efficiency GHG reduction product.

PYROGENESIS CANADA

pyrogenesis.com



PyroGenesis Canada is the world leader in the design, development, manufacture and commercialization of advanced plasma processes. The company provides high value-added innovative solutions to address the real problems of numerous industries (the environment, defense, additive manufacturing, oil and gas, mining and metallurgy). With the US Department of Defense as one of its clients, PyroGenesis makes compact, easy-to-use processes that optimize the use of plasma.

PYROMAITRE

pyromaitre.com



Since 1981, Pyromaitre has created innovatively designed industrial ovens that drastically reduce cooking time; the heat transfer in these ovens is so efficient that customers can increase their output in an oven that is up to 70% smaller. Parts such as springs, wireforms and axles tempered in Pyromaitre ovens are more fracture-resistant.

PYROWAVE

pyrowave.com



Pyrowave has developed a microwave technology for recycling mixed plastics. Modular recycling units can be rented or set up at the customer's place of business. Pyrowave then delivers the liquid generated to refiners. This business model increases the recycling rate and reduces the volatility of recycled resin prices.

RACKAM

rackam.com



Rackam designs and develops turnkey solar thermal power plants adapted to the needs of industry. This technology aims to improve the energy efficiency of processes (heating/air conditioning, washing, drying, distillation, pasteurization, sterilization, cooking, process heat losses) while taking a visible stand on sustainable development.

RENEWZ

renewz.com



With over 30 years of experience in the automotive OEM, aftermarket and renewable energy sectors, Renewz develops solar-powered charging stations for electric vehicles. These stations can be installed quickly and effortlessly, without expensive footing or foundation requirements.

SHERBROOKE OEM

sherbrooke-oem.com



Sherbrooke OEM specializes in the design, manufacture and integration of customized recycling equipment for various industries (e-waste, construction, curbside collection, metal recyclers, waste-to-energy projects, etc.).

SIGMA DEVTECH

sigdt.com



Sigma Devtech has developed a novel solvent-free proprietary technology that produces a type of bioplastic from pulp mill effluent sludge.

SIGMA ENERGY STORAGE

sigmaenergystorage.com



The hybrid compressed air energy storage solution developed by Sigma Energy Storage resolves several issues in a number of situations. It stores the intermittent power generated by renewable energies, making it more predictable; it reduces excess diesel-generated power, cutting fuel consumption by 30%; and it provides an alternative to investing in building more electric power facilities to meet peak demand.

SOTECK

sotECK.com



SotECK improves the energy efficiency of businesses by combining the knowledge and know-how of its team of experts in automation, building mechanics and procedures. The company identifies, evaluates, designs and implements customized solutions tailored to the needs of its partners, be they industrial (food processing, textile, wood and paper, metalworking), commercial and institutional or high tech (biotechnology, aeronautics).

SWEET GAZOIL

sweetgazoil.com



Sweet Gazoil offers new processes for treating used and waste oils. These processes treat used oils more efficiently and ecologically in addition to processing waste oils that could not be treated before. The company also provides engineering services to businesses that collect and treat mineral oils.

SYSGAZ

sysgaz.com



Sysgaz is the only manufacturer of small-scale liquefaction plants in North America. These plants can pre-mix and transform various methane gas sources into LNG from locations such as a landfill site, anaerobic digester or low-pressure gas network. Using this all-in-one solution, the company builds modular plants with a production capacity of 10-50 metric tons per day, produces LNG and renewable natural gas and markets individual technologies associated with biogas.

TRANSTECHNIKA M.I.

transtechnika-mi.com



TransTechnika M.I. offers biorefining services and advice on forest and agricultural biomass to forestry companies, cooperatives and unions as well as regional institutions. The company is associated with several research centers.

TECHNOLOGIES CLINNUP

technologies-clinnup



Technologies Clinnup has rights to market five of its own innovations developed in collaboration with Québec research teams in the fields of wastewater treatment, energy storage, green chemistry and CO₂ capture and conversion.

TGWT

tgwt.com



TGWT is a cleantech provider that manufactures and distributes exclusive products of organic origins, which replace the chemicals used to treat the water in steam boilers. These unique products generate important savings (15 to 20%), reduce blowdown and improve the internal ecology of the boilers, without investment.

TM4

tm4.com



With its patented permanent magnet external rotor motors, generators and power-dense inverters, TM4 provides some of the world's most advanced electric drivetrain systems, positioning itself as a key partner for manufacturers, suppliers and integrators in the transportation and power generation markets.

TRICENTRIS

tricentris.com



Tricentris operates a glass micronization plant that produces glass powder and aggregates from recycled glass. Glass powder can be used as a cement additive to improve concrete performance, while aggregates can be used as a sand substitute in various applications like road abrasives and backfill material.

TRIGO ÉNERGIES

trigoenergies.com



Trigo Energies specializes in methods of producing, storing and managing renewable energies for the heating, ventilation and air conditioning of buildings. The company will soon market its own air preheating solar collector, a world first.

UBIOS

ubios.co



Ubios has designed a home automation system to control energy consumption, temperature, and most importantly, prevent water damage. With its modular platform, this system increases security, optimizes comfort and helps save on utility and insurance bills.

VARITRON

varitron.ca



Specialized in electronics manufacturing, Varitron offers a full suite of services to support every step in the life cycle of its clients' products. The company is active in most high-tech sectors, including intelligent information networks, the military, optics, aeronautics, transportation, security, telecommunications, automated systems and medical support.

VENTIX

ventix.ca



Ventix has developed an ecological process for biomass delignification and cellulose production. The Ex-Cell1 eco-process generates no waste, uses little water and requires no external energy source to increase the temperature or pressure. Effluents contain no contaminants and are completely recycled. The cellulose produced is of high quality, particularly with regard to the advanced composite materials market.

VERIDIS SOLUTIONS

veridissolutions.com



Veridis Solutions offers innovative approaches to building energy management that combine savings, environmental responsibility and comfort. Veridis Solutions has a research and development division that develops energy-efficient building envelope products.

VERTAL

vertal.ca



Vertal designs and manufactures a waste composting technology that destroys odours by naturally converting malodorous molecules into inert, non-toxic salts. Its composters are particularly well-suited for the waste produced by schools, hotels, restaurants, hospitals, prisons, apartment buildings and residential areas.

VISION ENVIRO PROGRESSIVE

visionenviroprogressive-montreal.com



Vision Enviro Progressive has built and now operates the largest renewable natural gas facility in Canada, located in Terrebonne, Quebec. The plant converts landfill gas to natural gas, which is then delivered to the TransCanada pipeline network, via an injection point adjacent to the landfill site.

VIZIMAX

vizimax.com



Vizimax develops and manufactures products to optimize the production, transportation and consumption of energy. The company helps its customers measure, control and switch equipment to meet energy sector challenges such as infrastructure durability, new technology support, renewable energy use and the optimization of existing assets.

VOLTS ENERGIES

volts.ca



Volts Energies develops hybrid energy systems that combine renewable energies with energy-efficient generators for industrial, commercial, residential and vehicle applications. These products are tailored to the customer's needs.

WATERSHED MONITORING

watershedmonitoring.com



WaterShed Monitoring has developed Enki, a web-based spatiotemporal database for water quality data. It offers advanced capabilities in data collection, contextualization and analysis, as well as spatial interactivity, and information aggregation and sharing features. Enki facilitates the exploitation and development of data on water quality, enabling informed decision-making in the fields of scientific research, resource management, and the municipal administration.

XEBEC

xebecinc.com



Xebec provides gas purification and filtration solutions for the natural gas, field gas, biogas, helium, hydrogen, nitrogen and oxygen markets. Xebec specializes in the design, engineering and manufacture of innovative products that transform raw gases into marketable sources of clean energy used primarily as transport fuel.

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