

Company:Xebec Adsorption Inc. (Xebec)Phone:1-877-469-3232Web Site:https://xebecinc.com/Address:730 boul. IndustrielCity:BlainvilleState:Québec, CanadaZip Code:J7C 3V4TECHNICAL CONTACTName:Alan Johnson, MBA, P. Eng.Name:Behrang Mansoornejad, PhDPhone:440-226-0881Phone:450-979-8700 Poste/Ext.:5779Email:Ajohnson@xebecinc.comEmail:bmansoornejad@xebecinc.comAddress:730 boul. Industriel	Web Site: https://xebecinc.com/
Address: 730 boul. Industriel City: Blainville State: Québec, Canada Zip Code: J7C 3V4 BUSINESS CONTACT TECHNICAL CONTACT Name: Behrang Mansoornejad, PhD Phone: 440-226-0881 Phone: 450-979-8700 Poste/Ext.:5779 Email: bmansoornejad@xebecinc.com	
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State: USA State: Québec, Canada	State: Québec, Canada
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BUSINESS HISTORY	
How long have you been in business? Xebec was established in 1967	ec was established in 1967
Are you part of a larger company? Yes □ No ☑	No ☑
Did you exist as another company before this company was formed? Yes \Box No $oxdot M$ If so, what was that company's name:	company was formed? Yes 🗆 No 🗹 If so, what was that company's name?
Number of employees? 400+ employees worldwide	orldwide
What is your business structure? Corporation	ation
Describe your business service(s). For example: consulting, project development, EPC services, finance, other.	ple: consulting, project development, EPC services, finance, other.
Xebec is a pioneer and a champion of clean energy in biogas upgrading through pressure swing adsorption (PSA) technology, hav supplied PSA systems around the world, including dairy farm upgrading of biogas to Renewable Natural Gas (RNG). Xebec is a glo provider of clean energy solutions for renewable and low carbon gases used in energy, mobility, and industry applications. The company specializes in deploying a portfolio of proprietary technologies for the distributed production of hydrogen, renewable natural gas, oxygen, and nitrogen. By focusing on environmentally responsible gas generation, Xebec has helped thousands of customers around the world reduce their carbon footprints and operating costs. Xebec has a worldwide presence with five manufacturing facilities, eight Cleantech Service Centers and four sales offices spanning over four continents.	ing dairy farm upgrading of biogas to Renewable Natural Gas (RNG). Xebec is a global le and low carbon gases used in energy, mobility, and industry applications. The proprietary technologies for the distributed production of hydrogen, renewable on environmentally responsible gas generation, Xebec has helped thousands of on footprints and operating costs. Xebec has a worldwide presence with five
Describe your area or region of operation.	
North America, Asia and Europe	

Does your company hold any patents or the rights to any patents? Yes ☑ No ☐ If yes, please describe.
Xebec has received over 100 patents for its proprietary PSA technology, including a rotary valve that facilitates faster cycling time and reduces the footprint of the system.
Do you manufacture equipment? Yes ☑ No □ If yes, please describe.
Xebec has a worldwide presence with five manufacturing facilities, eight Cleantech Service Centers and four sales offices spanning over four continents.
Do you integrate equipment manufactured by others? Yes 🗹 No 🗆 If you integrate, please list the names of the preferred companies you represent.
The company has partnerships with multiple manufacturing companies that facilitate the sale of integrated systems.
How do you answer potential customer's questions about financial strength of your company?
Xebec Adsorption Inc. announced orders were received from U.S dairy farmers for a total of six turnkey biogas upgrading plants and small-scale containerized Biostream TM systems to produce renewable natural gas (RNG). These orders confirm Xebec's strengthening position in the U.S dairy market as farmers look towards solutions that are reliable and have the lowest lifecycle costs. Xebec trades on the Toronto Stock Exchange under the symbol (TSX: XBC).
Do you offer technical/service support? Yes ☑ No ☐ If so, what methods?
Xebec provides local service and support through its U.S. network of service providers backed by Xebec's Service Centers.
Do you offer design services? Yes ☑ No ☐ If yes, please describe.
Xebec's Cleantech segment designs and manufactures biogas upgrading and purification systems used for the production of RNG and purified Hydrogen.
Do you offer financing? Yes □ No ☑ If so, what terms?
Xebec can assist dairies obtain financing.
Are you a full stop shop? Design to construction and operation? Yes ☑ No ☐ If so, please describe.
Xebec is a full-service provider; designing, building, installing, and servicing more than 9,000 adsorption units for compressed air and gas in Europe, Canada, Asia and the United States.
Do you have preferred partners? Yes ☑ No ☐ If so, please list and provide contact information/identify partners by name.
Xebec has a preferred digester partner to supply four small-scale, containerized RNG upgrading systems at dairy farms in California and acquired an air and gas services company in the state to provide service and support for these projects.
Environmental Benefits - Does your project provide environmental benefits to the farm? Yes 🗹 No 🗆 If so, please describe. For example: GHG credit application, planning and permitting, marketing and sales.
Our business model generates energy cost saving for the dairy, improves sustainability and reduces the carbon footprint of dairy operations.
Do you have experience monetizing environmental attributes from your projects? Yes V No U If so, please describe. For example: carbon offset credits, renewable energy certificates (RECs), renewable identification numbers (RINs) and Low Carbon Fuel Standard (LCFS) credits.
Xebec has the lowest carbon footprint among other gas upgrade technologies and can support the modeling of environmental attributes
Economic Benefits - Does your business model provide economic benefits to the farm? Yes 🗹 No 🗆 If so, please describe. For example: added revenue and cost reductions to help financially sustain the farm.
Xebec gas upgrading technology takes biogas and converts it into a saleable natural gas product often called biomethane.

Do you underwrite and secure supply agreements? Yes □ No ☑ If so, please describe. For example: contractual agreements to for energy, services, or credits.
Do you secure off-take agreements? Yes □ No ☑ If so, please describe. For example: contractual agreements to for energy, services, or credits.
Do you evaluate potential markets for the farm? Yes \square No $ oldsymbol{\overline{M}}$ If so, please describe what markets. For example: soil amendments, manure fiber for products, recovered phosphors, nitrogen, or carbon for other industries.
Do you have a standardized deal structure? Yes ☑ No ☐ If so, please describe.
Xebec is very open to how equipment can be deployed on a project, but since the gas upgrade equipment is a rather simple capital equipment purchase the deals tend to be straightforward.
Do you provide a performance guarantee? Yes Mo If so, what are you guaranteeing? For example: up time, methane production, biogas production, parasitic load, throughput, O&M cost, percent recovery, other.
Xebec prides itself in it's strong guarantee around product purity (meeting the pipeline tariff) and it's market leading guarantee around methane recovery from the PSA technology; the actual purity always meets the pipeline tariff and the recovery guarantee is based on the purity requirement and the amount of CO2 and other inerts in the biogas.
Newtrient 9-Point Score Information
Is this technology currently operational on at least three North American dairy farms? Yes ☑ No □
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Does this technology have a record of reliable performance for more than 12 months on at least three farms? Yes ☑ No □
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