

Plasco Energy Group applies decades of plasma arc R&D to turn municipal waste into electricity

Plasco Energy Group provides an excellent environmental and economic option for dealing with residual waste while generating clean and green electricity

Fast facts

Corporate profile

Plasco Energy Group is a private Canadian waste conversion and energy generation company that uses world-leading technology to convert municipal household, commercial and institutional waste into green power and other valuable products. Private investment in PlascoEnergy in the last three years has totaled \$94 million. Public investment includes \$9.5 million in funding from Sustainable Development Technologies Canada and a \$4 million loan from the Ontario Ministry of Research and Innovation.

Why Ottawa

PlascoEnergy has operated research facilities in Ottawa for over 20 years where the Plasco Conversion System has been continuously tested and refined. In April 2006 PlascoEnergy entered into a partnership with the City of Ottawa for the construction of a commercial-scale evaluation and demonstration municipal solid waste conversion facility at the City's Trail Road Landfill site. The facility is capable of converting 100 tonnes of municipal solid waste daily.

Business advantage

PlascoEnergy is proud of its technology and environmental excellence and provides the very best environmental and economic option for dealing with residual waste while generating clean and green electricity.

Founded in Ottawa in 1986, Plasco Energy Group is a private Canadian waste conversion and energy generation company that uses world-leading technology to convert municipal household, commercial and institutional waste into green power and other valuable products. Led by an experienced team of senior executives, and based on thirty years of research and development, PlascoEnergy knows how to deliver successful projects that earn the support of the whole community.



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PlascoEnergy recycles waste into electricity and valuable solid waste byproducts. This allows communities to turn landfill problems into energy-creating solutions. PlascoEnergy facilities can be distributed across rural, light-industrial or commercial zones inside or near cities. This is possible due to the small size of PlascoEnergy plants. In addition, the plants do not emit odours because only a small amount of waste is stored for short periods of time and because waste is always inside a building with negative air pressure.

Why Ottawa

Rod Bryden, CEO and President of PlascoEnergy, is one of Ottawa's most storied entrepreneurs and has led several of Canada's leading tech companies. Mr. Bryden founded Systemhouse Ltd., a computer integration firm, in 1974. During his 12 years with Systemhouse, as President and Chairman, he helped to grow the company to over 3000 employees with revenues of over \$800 million. Mr. Bryden also

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PlascoEnergy finances the construction and commissioning of solid waste recycling facilities and frees taxpayers from shouldering the financial burden. The company encourages community support and allows for open and transparent communication through the planning, building and the operation process of a facility.

brought Ottawa its greatest source of joy in professional sports – The Ottawa Senators NHL hockey team, as the team's owner from 1992 until 2003.

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Business advantage

PlascoEnergy is proud of its technology and environmental excellence and provides the very best environmental and economic option for dealing with residual waste by converting it into clean and green electricity. Responsible management of waste and resources has been a problem typically managed by shipping the waste long distances for disposal. This procedure results in excess emissions from transportation and shifts the environmental

burden to areas that didn't create the waste. Also, because most power generation from waste is typically done in large incinerators that communities don't want to be near, electricity is often transmitted long distances back to urban centres. When electricity travels long distances, up to 10% of the energy is lost. Because PlascoEnergy facilities can be located nearly anywhere, they allow waste to be dealt with where it is created, and electricity to be generated where it is needed.

In addition, PlascoEnergy finances the construction and commissioning of the facilities and frees taxpayers from shouldering the financial burden. PlascoEnergy encourages community support and allows for open and transparent communication through the planning, building and the operation process of a facility.

PlascoEnergy earns revenue through the sale of electricity and tipping fees for waste that is processed. The market determines electricity prices, and tipping fees are set in a long-term contract so the community can be secure in knowing the costs.

Future growth plans

Plasco Energy Group currently employs more than 70 people from engineering to plant delivery and anticipates more hiring as the business continues to grow.

In December, 2007, existing investors Black River Asset Management, a subsidiary of Cargill, and Hera Holdings SA of Barcelona, Spain, both exercised warrants to buy another \$14.3 million in PlascoEnergy common shares.

For 2008, Plasco Energy Group has secured a commitment for another \$155 million from a major American fund manager – First Reserve Corporation, an energy-focused private equity firm.

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