

Toromont Energy Ltd.



**Toromont Energy Ltd.
Proves Successful in
Changing Times**



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Toromont Energy Ltd. Proves Successful in Changing Times

Throughout a roller coaster of government regulations over the past 10 years, Toromont Energy Ltd. has weathered the storm and is looking to a clean energy future

*Written by: Jamie Robinson
Produced by: Mike Terry*



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Toromont Energy's core business is the design, build, operation and maintenance of high efficiency power plants, using Caterpillar's leading edge power generation technologies. Building on decades of power generation experience, Toromont Energy supplies and constructs power plants that deliver energy to hospitals, district energy systems, and industrial processes. Toromont's plants are fuelled by natural gas, landfill gas, biogas and diesel fuel in remote locations.

Toromont Energy Ltd. (TEL) is an active industry participant supporting the development of new approaches to procuring sustainable energy for Ontario and currently holds a number of renewable and clean energy contracts with Ontario Power Authority.

Toromont Energy was incorporated under the Business Corporations Act in Ontario as a subsidiary of Toromont Industries Ltd. TEL was created to pursue market opportunities for high-efficiency distributed power generation. It made several

investments in power plants. Toromont Industries Ltd. operates through two business segments: The Equipment Group and CIMCO. The Equipment Group is one of the largest Caterpillar dealerships by revenue and geographic territory in addition to industry leading rental operations. CIMCO is a market leader in the design, engineering, fabrication and installation of industrial and recreational refrigeration systems. Both segments offer comprehensive product support capabilities.

Based in Brampton, Ontario, Toromont Energy owns and operates a 6.25-megawatt plant in Waterloo, Ontario utilizing landfill gas and two natural gas power plants located in Sudbury, Ontario. The Sudbury District Energy system is a 5-megawatt combined heat and power plant located in the downtown core. The second plant in Sudbury is a cogeneration plant that was installed during the expansion of the Sudbury Regional Hospital to provide hot water, chilled water, steam and electricity to the entire hospital, and exports excess electricity to the local grid.

Powerful partnerships

Toromont Energy constructs and manages power plants utilizing Toromont Power Systems' (TPS) Caterpillar power generation equipment, engineering services, parts inventories, local service centre and maintenance and repair technicians.

“We leverage the resources of TPS so we don't have to duplicate infrastructure,” says General Manager Lou Colangelo. “It's quite a benefit. Toromont Energy is testimony to what TPS is capable of doing, as well, so it's a benefit to them. TPS has become an industry leader in the supply of

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Clean, reliable, high-efficient power is really the space that we focus on,” Colangelo says. “Natural gas is the fuel of choice for that market

– GM Lou Colangelo

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Generator room at Toromont Energy Waterloo



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Transportation of natural gas is a challenge, and you're always fighting against the economics. That's exciting, because we're going to solve that challenge at mine sites in the future

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power generation systems, rental generators, marine power systems and industrial engines through customized engineering and with the capabilities of supplying diesel and natural gas powered systems combined with unequalled product support.

Long-term energy contracts

On May 1, 2012, Ontario electricity market reached its tenth anniversary. Ontario has come a long way since it started down the bumpy path of deregulation of its electricity sector and reducing uncertainty associated with creating a reliable and cost effective electricity system, Colangelo says. “Toromont Energy Ltd. was created with a focus on participating in an open and competitive electricity market,” he says. “Ontario has suffered from serious difficulties, in part, by not establishing an hourly energy price that represents the true value of the commodity causing an underinvestment in new power generation assets. The solution to procurement of electricity supply would be a turn to power generation programs with long-term generation contracts between the Generator and the Ontario Power Authority. Colangelo says Toromont has benefitted – as



well as Ontario – from the binding, long-term contracts.

“Long-term generation contracts provide incentives for independent power producers to invest in the province. Colangelo says the demand for clean and renewable power generation – a significant portion of Toromont’s offerings – is a benefit of integrated power systems plan.

Renewable resources and clean energy

Toromont employs clean energy practices in the power plants it owns such as the recycling of heat for the Sudbury hospital. “Clean, reliable, high-efficient power is really the space that we focus on,” Colangelo says. “Natural gas is the fuel of choice for that market.

When we get into more remote communities, traditional diesel fuel is typically used for prime power. We are coming up with innovative ways to move natural gas to these remote locations.

Mining is one of the applications which Toromont Energy services, bringing capital investment, and facilitating operations and maintenance for mines’ power-generation needs. Many mining sites are well off the power grid. For that reason, the Toromont’s team is often the first on site to provide heat and power used for exploration, construction and mining operations.

Looking to the Future. The mining industry continually adapts to changing economic and environmental factors. “The fuel that’s available because of the



STATISTICS

TOROMONT

INDUSTRY:

ENERGY

HEADQUARTERS:

Brampton, Ontario

KEY PEOPLE/TITLES:

General Manager Lou Colangelo

PRODUCTS:

Energy services

EMPLOYEES:

15

WEBSITE:

www.toromontenergy.com

remoteness of mining locations has traditionally been Diesel fuel,” Colangelo says. “Today, due to the current and long-term forecasted price and its availability, there’s more interest to try and find how natural gas can be delivered to these remote sites and used as a primary fuel. Transportation of natural gas is a challenge, and you’re always fighting against the economics. That’s exciting, because we’re going to solve that challenge at mine sites in the future. If we can lower operating costs, that’s a significant benefit to our mining customers.”

Toromont Energy will continue to expand its horizons to bring cost-effective, cleaner energy to its customers.

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