

Detroit Manufacturing Systems



Detroit Manufacturing Systems (DMS) is a customer-focused, Value-Add Assembly and vertically integrated contract manufacturing company. DMS is committed to manufacturing excellence and perfect quality. Having reached 1,700 hourly and salary team members, DMS prides themselves on having a culture of excellence that drives a higher standard. DMS focuses on their people and collaboration in all they do. By achieving best-in-class performance and profitability, Detroit Manufacturing Systems contributes to the health and sustainability of its team members, partners, suppliers, and the community -- and they are working to create opportunity and prosperity for future generations.

“We’re glad to be a part of the success story and revitalization going on in the city of Detroit. And with the help of DTE’s incentives, we have been able to operate more profitably while also improving energy efficiency, it’s a win-win!”

Scott Cieslak – Chief Financial Officer at Detroit Manufacturing Systems

Case study

In 2012, Detroit Manufacturing Systems brought a new large-scale manufacturing facility to the city of Detroit with an effort to help revitalize the city and the state of Michigan through job creation.

With such a strong focus on quality and efficiency, it’s no surprise that Detroit Manufacturing Systems is also committed to energy efficiency and minimizing their environmental impacts. Detroit Manufacturing Systems is committed to the continual improvement of its environmental performance. To this end they have been an active participant in DTE Energy’s Energy Efficiency Program for Business for several years.

Recent improvements in lighting and process equipment have resulted in a positive return on investment and quick payback. Plus, Detroit Manufacturing Systems lowered their maintenance costs and improved lighting quality at the same time.

Their recent project at their Detroit assembly location highlights the win-win our program has created for thousands of businesses throughout our service territory.

Having received over \$200,000 in incentives and saving 4 million kWh over the last several years, Detroit Manufacturing Systems is a standout in the industry for its commitment to energy efficiency and to its local community.

DTE

Energy Efficiency Program for Business

Project summary



When Detroit Manufacturing Systems made the decision to upgrade their facility to LEDs, they started with replacing their exterior lighting. Based on the success of the exterior lighting upgrade and a few interior LED retrofits, they decided to convert the entire manufacturing and warehouse areas from 400w metal halides and T5 fluorescent high bay fixtures to brand new LED high bay fixtures. DMS also installed 10 new hybrid injection molding machines to help meet increased production demands from their customers efficiently. These have significant savings compared to the standard hydraulic injection molding machines. They also added Variable Frequency Drives (VFDs) to their process cooling system, and have performed chiller tune-ups to maintain high-efficiency operations.

Energy savings summary

The energy savings results of these measures are summarized as follows:

Measure description	Annual energy savings (kWH)	Annual cost savings	Incentive received
Hybrid injection molding machines	2,485,010.00	\$273,351	\$140,790
Interior LED lighting	1,303,910.32	\$143,430	\$75,437
Exterior LED lighting	187,660.00	\$20,643	\$13,097
Occupancy sensors	35,166.00	\$3,868	\$1,830
VFDs on process pumps	119,037.05	\$13,094	\$6,600
VFDs on process fans	15,960.00	\$1,756	\$900
Chiller Tune-up	11,996.28	\$1,320	\$540

About our program

The DTE Energy Efficiency Program for Business offers a comprehensive set of incentives for both electric and natural gas users designed to help you invest in energy efficient technologies. Here are three ways to save:

Prescriptive

Prescriptive incentives are available for many common energy efficiency measures and typically average 20% to 50% of the incremental cost of the equipment or services provided. Incentives are based on predetermined energy savings.

Custom

Custom incentives are offered for capital investment projects that are not eligible for a prescriptive incentive. Incentives are determined on a case-by-case basis and are paid per unit energy saved. Custom incentives are capped at 50% of project costs.

New construction

New construction/major renovation incentives are available for new facilities, the renovation of existing facilities or a change of use project, such as converting a warehouse into an office complex. Incentives also are available for adding load.

*Funds will be awarded on a first-come, first-served basis; program based on availability of funding and may end at any time; certain other conditions apply

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