



Service/Product Provider

DTE Energy

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Industrial Partner

Ford Motor Company

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Business: Automotive
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DTE Energy assists Ford with energy initiatives and realizes \$40 million in annual savings.

Project Scope

Since 1995, DTE Energy has supplemented the Ford energy team and assisted in identifying, developing, and implementing over 550 energy saving projects and initiatives.

Project Summary

DTE Energy has provided project engineering and management services to perform energy surveys and/or audits and identify customized energy efficiency plans. These plans have resulted in DTE's evaluation of lighting systems (including design and project engineering), compressed air systems, and heating ventilation and air conditioning (HVAC) systems, as well as development of a leak repair program and an energy use optimization plan. For all of these projects, DTE implemented metering, monitoring, and analysis. Other projects include analyzing and enhancing chilled water systems and establishing employee energy awareness programs.

- **Energy Savings**
Projects implemented to date have realized annual energy savings of over \$40 million
- **Investment**
Over \$100 million initial capital
- **Financial Return**
Average payback less than 3 years
- **Other Benefits**
The projects reduced maintenance requirements and improved reliability while reducing energy consumption. In addition, the projects provided process improvements that increased productivity and/or improved quality.

Monitoring & Verifying Energy Savings

All project savings are determined and confirmed by pre-installation and post-installation metering for electric, gas, water and compressed air.

Distinguishing Value

Professionalism and technical knowledge combined with innovation has resulted in energy reductions in processes, facilities and contractual requirements. DTE Energy seamlessly interfaces with Ford providing a synergy that expedites project completion.