

Find & Fix® Compressed Air Program Case Study

Less leaks, more savings

Every compressed air system has leaks, and left unfixed they can have serious repercussions. Compressed air leaks can negatively affect system capacity, reduce production, use unnecessary energy and increase costs.

The DTE Find & Fix® Compressed Air Program provides rebates for finding and fixing compressed air leaks. Participating in the program is easy. Program benefits include increased system capacity, reduction in energy usage, and cost savings.

Project details: Constellium

Constellium is a global leader in the development, manufacturing, and recycling of aluminium products and solutions. The company designs and manufactures advanced alloys and engineered solutions for beverage cans, cars, airplanes, and more.

At its Automotive Structures plant in Van Buren, Michigan, the following energy efficiency improvements were identified, implemented, and verified through the Find & Fix® Compressed Air Program for Constellium:

- Quick disc threads, hoses, hose connections, fittings, filters, regulators, valves, etc.



Project snapshot

Participant: Constellium

Building size: 314,867 sq. ft.

Compressor size: 625 horsepower

Total leaks found: 459.8 CFM

Leaks fixed: 459.8 CFM

Estimated annual electric savings: 698,377 kWh

Project savings

Description	Cost (-)	Benefit (+)
Annual energy cost savings estimate		\$62,854
Find study rebate paid		\$5,173
Fix rebate paid		\$16,093

Total benefit including study cost: \$84,120

Get started today!

For more information on the DTE Find & Fix® Compressed Air Program, visit dteenergy.com/ffcompressedair, send an email to ffair.dteenergy@esciences.us or call 248.206.2420.

The DTE Find & Fix® Compressed Air Program is an important part of our energy efficiency initiatives through DTE CleanVision, our goal of net zero carbon emissions by 2050. Learn more about CleanVision at dtecleanenergy.com and the Find & Fix® Compressed Air Program at dteenergy.com/ffcompressedair.

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Constellium

Jenny Barnes is an Engineer on the Central Services team at Constellium. As part of her role, she is responsible for tracking energy consumption around the plant. After reviewing the data, it became apparent that the company was not meeting their global corporate energy reduction goals. The tracking revealed that compressed air was one of the biggest targets for energy savings due to air leaks throughout the plant. They wanted to take action to ensure the company's core value of energy efficiency was upheld. With this substantial task ahead of the crew, Jenny did some research and discovered the DTE Find & Fix® Compressed Air Program.

The straightforward application process and the efficiency of the Find & Fix® team made it easy for Jenny and her crew. The Find & Fix® team arrived on site and presented thorough findings and supporting documentation that they used and updated continuously in order to track progress. This was incredibly useful to Jenny and her team when taking the next steps.

Jenny was in awe of how a large company, like DTE Energy, could make them feel like they were the only customer. The team offered clear and present communication throughout the duration. "Our involvement with the DTE Find & Fix® Compressed Air Program was seamless, eye-opening, and effective," Jenny said. "The support and guidance in an area where we had little knowledge was above and beyond what we expected."

The work of the Find & Fix® team left Jenny feeling encouraged to look onward to making a further impact with energy and cost savings: "As a company, we are working towards global sustainability targets and working with the Find & Fix® Compressed Air Program has helped us find ways to reach those goals ahead of schedule. Based on our current success and the personalized approach set forth by this program, I would absolutely recommend it to other customers."



The Constellium team