

SOUTHEASTERN CONTAINER, INC.



BOWLING GREEN, OHIO Efficient Chiller Project

Southeastern Container, Inc. (SEC) was formed in 1982 under the ownership of a group of Coca-Cola bottling companies. The company produces plastic polyethylene terephthalate (PET) bottles to meet the packaging needs of its customers in the Coca-Cola bottling community. The Company has 10 manufacturing locations in nine states.

PROJECT GOALS:

Reduce energy consumption and operating costs for industrial equipment requiring cooling.

SOLUTION:

Install an industrial cooling system that utilizes cool outdoor temperatures to provide efficient process fluid cooling.

PROJECT SUMMARY:

Southeastern Container worked with mechanical engineers from Poggemeyer Design Group (PDG) to complete an efficient cooling project at its Bowling Green facility. PDG recommended the installation of an industrial cooling system, which utilized a heat exchange unit. An energy consultant from Efficiency Smart reviewed the cooling system design and controls and validated PDG's recommendation and the saving potential of the project.

The heat exchange unit uses cold outside air to cool the industrial equipment, in place of mechanical cooling from the chillers. As a result of installing this upgraded system, Southeastern Container is able to maintain the amount of cooling needed to operate industrial equipment while reducing energy consumption.



PROJECT FACTS AT A GLANCE

Annual kWh Savings:
1,685,600

Annual Cost Savings:
\$124,400

Lifetime Cost Savings:
\$1,865,900

Annual CO₂ Reduction
3,354,300 pounds

PROJECT PARTNERS

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