

## Staco Energy Products Co.

Miamisburg, OH

### Project Description

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**Design Completion:** 2017  
**Size:** 95,000 SF  
**Tri-Tech Services:** Programming  
Space Utilization



Staco Energy Products Co., with their eighty-year industry tenure, is a world leader in innovating power quality and voltage-control technology. Staco Energy needed more facility space to accommodate their growing production and personnel needs. Before the design and construction of Staco's new facility, production and personnel were at different locations. After conducting interviews with stakeholders, Tri-Tech developed a program of requirements for the new facility space.

Working with the owner, Tri-Tech determined Staco Energy's opportunities with the new facility, and the subsequent need of the facility. So, Tri-Tech conducted a full survey with the owner and stakeholders, including benchmarking and documenting the company's production processes, including the required utilities and service feeds. Tri-Tech's study phase identified the type and magnitude of all the facility's utility services.

Tri-Tech used the survey results and findings to develop a new process-flow diagram, folding in considerations for enhanced industrial engineering. The new process-flow led to the design of the facility's floor plan and production layout. This floor plan, shaped by Tri-Tech's findings and process-flow design, brought Staco Energy Products Co.'s manufacturing and office space under one roof, ensuring greater future efficiency.

Tri-Tech's involvement included the designing and programming of new office space and training space for Staco's anticipated personnel growth. To accommodate their growing personnel numbers and depth of employee investment, Tri-Tech included designs for training center and conference area. Tri-Tech's program of requirements and subsequent study phase produced a layout used directly in the facility design and construction.

