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CASE STUDY

AIRCOMPARE

Manufacturing Challenge

Lowest total life cycle cost for compressed air system of both existing and a new production facility.

Investigation

The customer was looking for alternatives to improve their existing compressed air systems. They contacted several compressor manufacturers to visit their facility and provide recommendations with a total life cycle cost analysis.

An FS-Elliott (FSE) representative from our SEA regional office visited the customer and conducted a thorough analysis of their end-to-end supply and demand side compressed air network. Based on the findings of this analysis, FSE submitted an AirCompare report with recommendations to revamp their existing system and have a different combination of compressor sizing based on specific power consumption and operating conditions for their new production facility.

“FS-Elliott’s AirCompare analysis report helped our utility department to achieve energy and maintenance cost savings.”

- Motorcycle Manufacturer, SEA

Solution

FS-Elliott has designed our Polaris industrial centrifugal air compressor units to allow manufacturers to exploit a compressed air solution to maximize savings while minimizing maintenance requirements. Our commitment to round-the-clock customer service and local authorized channel partners in the region adds to the benefits of the solution by maximizing uptime.

The customer decided to purchase two FSE centrifugal compressors by the end of 2021 for their existing facility. These compressors were used to replace their old oil-free rotary screw compressors and also added to the future production demand. Both the compressor units were commissioned in early 2022.

The customer was very satisfied with the reduction in energy costs and the ease of continuous 24x7 operation with enhanced user accessibility using FSE’s multifaceted regulus control system. They decided to purchase four FSE centrifugal compressors for their new production facility.

FS-Elliott compressors are designed to be easy to install, operate and maintain, allowing our customers to focus more on their business and less on their compressed air system. For many customers, worry-free air is the primary reason they select FS-Elliott for producing their compressed air.

Cost Savings: >\$110,000
in maintenance and energy savings
(2021 installation)