

# SPSI utilizes EWI Arc Welding Innovation



## CUSTOMER

SPSI is a privately held fabricator of process, power and nuclear piping systems used primarily in the domestic and international power generation industry. Founded in 1983 in Hartville, Ohio, SPSI has grown into one of the most recognized global leaders in pipe fabrication for the power generation industry.

## CHALLENGE

SPSI's current production process involves standard industry welding equipment. SPSI was interested in investigating higher productivity processes with the goal of benchmarking them against current methods. They hoped that one of several new welding technologies could be implemented to give SPSI a competitive advantage in the marketplace.

The project went very well and the feedback and help from your team at EWI was nothing short of spectacular. I gained a great deal of knowledge with the information presented to me in the report. The comparison between all of the processes was especially beneficial for use in my financial report to our executive team. I am currently pursuing equipment to implement the findings from this project."

— Chuck Violand, SPSI Welding Engineer

## SOLUTION

EWI has extensive experience in arc welding processes for pipelines. EWI evaluated SPSI's current processes and provided a report on newer technologies that were available and their potential benefits/disadvantages. Subsequently, EWI performed process development on two processes that are relevant to SPSI's operation.

## RESULTS

By collaborating with EWI, SPSI was able to advance the manufacturing process of its product. A new welding process was developed that cuts the welding time of pipe components in half. As a direct result of the increased process productivity, SPSI will have the capabilities to increase the shop output by 10-15%. In turn, this will allow SPSI to reduce costs and supplement the increase in shop productivity by hiring local skilled craftsmen. This manufacturing process has great potential to create new jobs and contribute to a solid long-term growth industry in Ohio.

EWI acknowledges the contribution of the State of Ohio, Dept. of Development and Thomas Edison Program, which provided funding in support of Edison Technology and Industry Center Services.



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