

PROJECT PROFILE

Exotic Alloy Process Piping

- Project Value:** \$1 million
- Client:** Confidential Client
- Schedule:** August 2009 - 5 days for fabrication,
3 days for field installation
- Project Scope:** Pipe spool fabrication and site
installation



Project Description:

A multi-million dollar company was pressed to meet a start-up schedule when it was discovered some piping sections of Sch 160 exotic alloy had to be re-engineered. W. Soule & Company was contacted to help with the emergency. The rare material was difficult to find; however, W. Soule & Company used national resources to find the necessary material and had it flown into the fabrication shop. To meet the tight completion timeline, the welders worked 16 hour days for 5 days straight. The dangerous nature of the customer's process required the welds to be 100% x-rayed. The short time frame of the project completion window required spool dimensions to be exact. In the field, spool locations were scattered throughout a seven-story building and were above ground. The W. Soule & Company field team worked two shifts around the clock to complete the pipe spool installation.

Project Highlights:

Before any welding could begin weld procedures had to be developed. The exotic material shrank as it was heated; allowance for shrinkage in the weld procedure was critical to maintaining acceptable welds. As a result, the fabrication was completed on time with a less than 1% weld failure rate. This extremely low failure rate helped keep the project on schedule. The field crew managed the long hours by rotating personnel and shifts for safe, quality, and timely completion. The combined efforts of the shop and field teams helped the customer meet the required project deadline.

Client Approved

