

Showcase Project Report



Major Midwest Power Plant Chooses New Division of CFM/VR-TESCO as "turn key" specialty mechanical provider for critical path project

Failure Mode:

- Dislodged internal thermal sleeve slippage allowed steam injection to impinge pipe wall and cause through wall steam cuts.

Scope Details:

- Replace 2- 16" OD inline spray Desuperheaters
- Install support steel and secure existing steam lines
- Cut out old Desuperheater assemblies
- Setup crane rig and fly old assemblies to ground
- Machine prep existing pipe end to match new assembly
- Rig and fly new assemblies to work area
- Fit up and weld out new assemblies
- Perform NDE and reinsulated Desuperheater assemblies
- Provide QA package with Authorized Inspector sign off

Challenges:

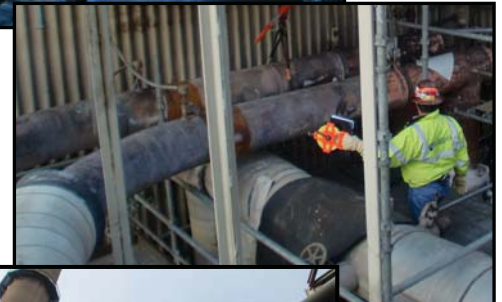
- Loss of production - Forced outage
- Schedule - Critical patch schedule for this repair
- Safety - Concerns due to location of Desuperheaters
- Weather - winter cold and snow
- Steam path contamination _ FME process
- Cold spring - Securing existing steam line before cutout
- Code requirements - NBIC "R" stamp and ASME Sect. IX

Bottom Line:

- Exceeded schedule expectations
- 100% X-ray with No Repairs
- Met budget constraints
- Customer satisfaction was HIGH
- End of job comments from customer recommended that WDI be invited to perform other upcoming critical path and specialty welding projects.

Why Welding Dynamics International (WDI)?

- Provided the most aggressive schedule to meet and/or exceed critical path schedule
- WDI's parent company CFM/VR-TESCO, LLC (Continental Field Machining) reputation and success with previous projects in this plant
- WDI provided competitive pricing
- WDI's performed this work and provided ALL code compliance required to meet state and governmental operating repair mandates for NBIC "R" stamp certification and ASME Section IX



For Additional Information on WDI:

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