

# 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 path 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

