

CASE STUDY

HEAT EXCHANGER SOLUTIONS

ACHE TUBE LINING

OVERVIEW

An LNG Plant had experienced internal corrosion on its Air Cooled Heat Exchangers and engaged PipeServ to carry out the Re-Lining activities onsite. PipeServ had supplied Curtiss Wright EST Groups Pop-A-Plugs to initially plug the degraded tubes, and then once the liners were onsite - we removed the plugs and installed the liners with Curtiss Wright EST Group's full-length liner expansion system.

DETAILS OF SCOPE

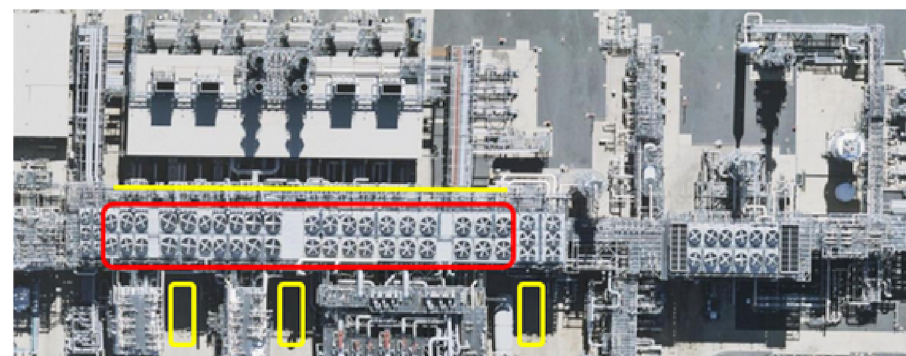
- 584 cooling heat exchanger tubes were lined
- 316SS sleeves to fit 25.4mm OD tubes
- 316SS sleeves to fit 31.75mm OD tubes
- Hastelloy liners for High Methane Stage



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AT A GLANCE

- Full-Length Tube Liners are designed to restore tubes that are suffering from isolated or full-length corrosion (pitting, cracking).
- Leaking or damaged tubes requiring plugging are returned to service.
- Reduced fouling of Liners increases efficiency over plain carbon steel tubes.
- Tube Liners are designed into new heat exchanger builds to increase reliability and extend service life expectancy.
- Eliminating tube leaks in between turnarounds and avoiding emergency shutdowns to plug are proven cost savings benefits



We recognize that for most of our clients, any amount of unplanned downtime results in unexpected costs well beyond just the repair.

Our repair techniques and technologies can greatly reduce the time off-line minimizing significant downtime losses. PipeServ has the resources and capabilities, including minimal material lead-times, to provide a rapid response to your emergency repair needs.