

Challenge

Issue

Severe corrosion effected performance, resulting in reduced production capacity from well heads. Reduced reliability required weld repair of heat exchangers every 15-18 months.

Goals

- Increase operation availability >18 months
- Eliminate weld repair and protect heat exchanger internals

Root Cause

High temperature sea water with high chlorides accelerates corrosion of unprotected steel.



Corroded divider plates



Repaired divider plates

Results

Client Reported

- Exceeded 18 month maintenance cycle goal
- Inspection at 30 months showed no signs of corrosion damage

■ Prior maintenance cycle cost: (30 mo.)	\$83K
■ ARC repair cost: (30 mo.)	\$22K

Client Reported Savings \$61K

\$=USD



Completed tube sheet