



The Importance of Heat Exchanger Management for the Energy Transition

Heat Exchangers are an integral part of many process systems, but their benefits are often not fully realised

The Energy Transition looks to decarbonise the energy industry, creating a more sustainable future

With an Industry goal of net zero it has never been more important to fully understand and maintain our assets

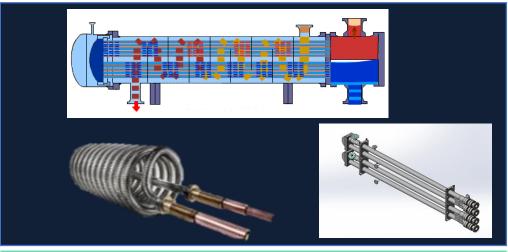


















Heat Exchanger Degradation



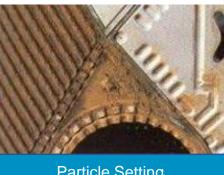
- Heat exchangers start to degrade during operation
- Fouling deposits affect the efficiency of the heat exchanger.
- When it gets too bad, the heat exchanger can fail and potentially bring down the entire asset.



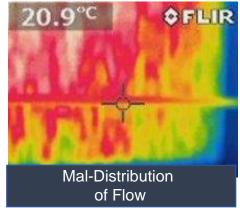








Particle Setting









Heat Exchanger Monitoring



01



02



Monitoring operational data is becoming an essential part of asset maintenance strategy.

Better insights into the condition of equipment between maintenance windows.

03

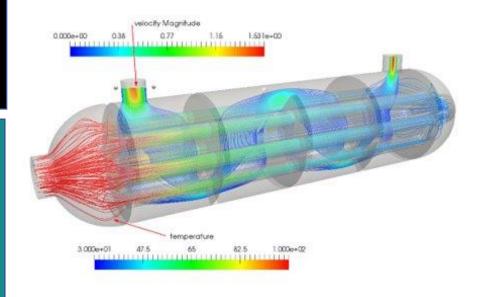


04



Changing efficiency of equipment can be trended.

There are many tools for asset-wide monitoring, however not specifically looking at heat exchangers.



Proactive Maintenance



Using data to actively monitoring the performance of the heat exchanger: a "Proactive Maintenance" approach.

- 1 More efficient heat exchanger operation.
- 2 Less unplanned downtime
- 3 Less costly maintenance fewer unplanned trips offshore.
- Fewer costly repairs major failures can be spotted early















Heat Exchanger Monitoring HTX Digital





DATA FROM HTX



HEAT EXCHANGER
EXPERTISE MIXED WITH
DATA SCIENCE



HTX KPI's



GLACIER SUBJECT MATTER EXPERTS



MAINTENANCE AND REPAIR







REDUCED UNPLANNED DOWNTIME

Thank You

joel.croft@glacierenergy.com

