How Falkonry Helped Predict Failures & Avoid Downtime.

Compressors: Mission-critical Equipment

Client's offshore oil & gas operations were highly dependent on rotating machinery such as compressors and turbines. Floating vessels such as Floating Production Storage and Offloading (FPSO), Floating Liquid Natural Gas (FLNG) & Floating Storage & Regasification Units (FSRU) relied on such compressors for fuel gas compression.

THE PROBLEM

It was difficult for the client to predict FPSO & FSRU failures which could result in production loss

While the repair crew would be on its way, the LNG tankers would be forced to burn the client's cargo, making penalties rise up to $1,000,000

36 HOURS DOWNTIME
PRODUCTION LOSS

$200,000/day
COST OF PRODUCTION DOWNTIME

$150,000
COST OF REPAIRS

FALKONRY HELPS AVERT
THIS ALARMING SITUATION

Using Falkonry Operational AI, the client was able to automatically discover patterns in their existing data and rapidly build models that predicted seal valve failures 6 weeks earlier than the internal operations teams

20 MINS
TO AUTOMATICALLY DISCOVER PATTERNS

6 WEEKS ADVANCE
FAILURE PREDICTION

$300,000 PER INCIDENT
DOWNTIME REDUCTION