



# Reducing Maintenance Spend through Risk Based Inspection

Martin Carruth (North Europe Business Manager)



## 1. Problem Statement

Customer challenged to reduce plant OPEX without compromising safety and production efficiency. Currently spends \$100k+ on critical system maintenance.

## 2. Aims

Implement Risk based inspection to reduce maintenance spend and ultimately reduce operating costs.

## 3. Method

Completed system assessment (materials, geometry, temp, flow, pressure etc).  
Identified corrosion loops. Determined Probability and Consequence of Failure  
Agreed risk classification with client  
Updated recommended inspection frequency, location and technique

## 4. Impact

- Reduced system maintenance cost by \$46k annually
- Validated engineering approach to industry standards to reduce risk (API 571/ 580)