

We act as an Inspection authority to a number of blue-chip companies and combine our expertise in this field with our Materials and Mechanical services.

Delivering our support globally, we are highly experienced across a range of sectors including chemicals and petrochemicals, oil & gas, pharma, bulk storage, renewables and power generation.

With our three integrated disciplines, we are uniquely positioned to deliver added value engineering solutions, providing our clients with peace of mind that the management of their assets are in safe hands.

We are an award-winning engineering consultancy with a proven track record of delivering high value services to our clients.



For more information, contact:

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A focus on asset life services

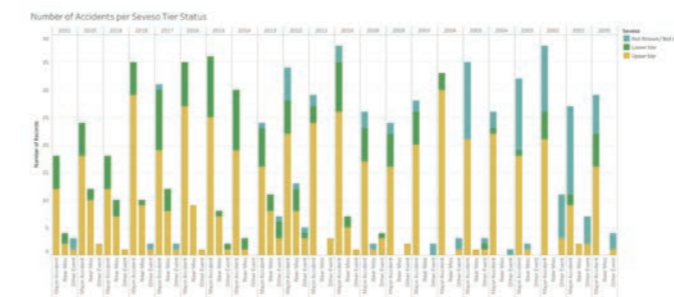
As operating plants come towards the end of their design life, an Asset Life Plan is vital to identify the investment required to sustain integrity and the required operating performance. This will allow the plant to meet production and legislative requirements for the longer term and provide a focus for both future finances and resources.

This results in the need to collect data, assess asset condition, identify vulnerabilities / risks and review future budgeting for repairs/replacements using an Asset Life Plan approach, with the aim being to assess the remaining life of existing assets and plan engineering work and expenditure to meet production requirements.

Ageing is not about how old the equipment is. It's about what is known about its condition, and how that's changing over time.

Across Europe, between 1980 and 2006, it is estimated that there have been 96 incidents reported in the MARS database relating to major accident potential loss of containment attributable to ageing plant. This represents 28% of all reported 'major accident' loss of containment events in the MARS database and equates to an overall loss of 11 lives, 183 injuries and over 170 Million € of economic loss.

Recent HSE MARS Data shows that in 2021 we are in a period of low Major Accidents occurring, however near misses are projecting upwards over the last few years. It is probable that as we step out of pandemic and site activity increases, we may see an increase in such events. It is vital to identify all risks that may lead to such an event before an HSE intervention or worse.



HSE MARS Data

Managing a COMAH regulated site comes with its challenges in ensuring you manage all associated risks to prevent a Major Accident or Hazard. Understanding risks and identifying vulnerabilities is a key function in this regard. There are various levels of assessment that be carried out to support your business needs.

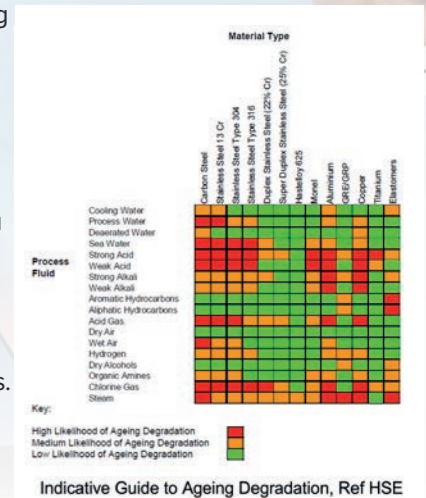
The figure top right describes the indicative degradation experienced on various systems. It is important to manage ageing plant which will improve long term planning for the business and improve asset reliability.

Our photo shows what happens to plant when left to degrade without intervention.

If you are not managing your degradation or risks, it can lead to increased business disruption and unplanned outages.

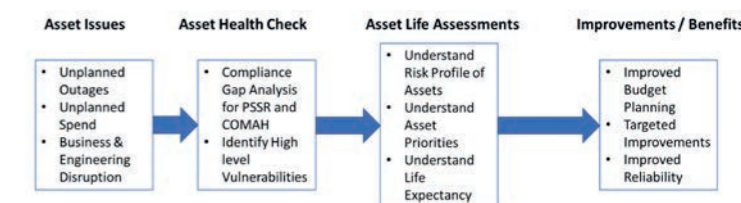
Axiom can support you to develop an Asset Life Plan to identify vulnerabilities and inform operation and maintenance strategies.

We can carry out a range of assessments to suit your needs including gap analysis for compliance, Asset Life Assessments, Remnant Life Studies and spares strategies to improve reliability of your Assets and to help meet industry standards and best practice.



CUI on Valve

Our Asset Life Plan approach covers the following stages:



Asset Life Plan methodology

We can deliver high level and detailed reviews into asset health tailored for your needs.

Good practice guides:

- PAS 55, Asset Management, The Institute of Asset Management
- Best Practice for Risk Based Inspection as a Part of Plant Integrity Management, CRR 363/2001
- RR509 Plant ageing: Management of equipment containing hazardous fluids or pressure
- RR823 Ageing Plant Study

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