

Asset Health Risk Checklist

Quickly identify gaps in your asset resilience.

01	Is your site protected against corrosion risks?	03	Is your site resilient to over pressurisation & hydraulic stress?
	Are tanks older than 30 years on a planned inspection cycle?		Are pumps, valves and fuel systems inspected for surge-related wear?
	Have you assessed internal corrosion risks linked to fuel, water, or vapour contamination?		Have pressure transients been recorded or investigated?
	Can you demonstrate wall-thickness measurements for key assets?		Are pipelines with weak points monitored for pressure spikes?
	Are tanks, pipework and bunds inspected using NDT (UT, 3D scanning, visual)?		Have bunds been stress-modelled for catastrophic tank-failure scenarios?
	Do you have recent coating/lining condition reports?		Are bund heights and slopes reviewed to minimise overtopping?
	Are 'un-piggable' pipelines inspected using alternative methods?		Is real-time hydraulic monitoring used?
	Is corrosion activity tracked over time with digital records?		Do you have emergency release modelling?
	Are coating renewals, repairs and tank cleaning documented centrally?	04	Is your site stable against structural settlement & deformation?
02	Is your site safeguarded from infiltration & environmental ingress?		Are tank foundations routinely assessed?
	Have bund walls/floors been checked recently for cracks, joint failure or permeability?		Has differential settlement been recorded?
	Do bunds meet UK/EU capacity requirements?		Is ground movement monitored regularly?
	Are multi-tank bunds risk-assessed for failure likelihood?		Do you routinely measure tank levelness, roundness, tilt or deformation?
	Are separators inspected and tested on schedule?		Are floating roofs checked for binding?
	Do drainage systems undergo CCTV diagnostics?		Have pipework connections been checked for stress from settlement?
	Is hydrocarbon capture performance regularly verified?		Are foundation defects addressed promptly?
	Are there routine checks for water ingress into tanks or fuel systems?		Is long-term settlement data stored and reviewed?
	Are containment inspection records centralised?		

05**Is your site closing the gaps in maintenance & inspection?**

Do assets follow structured inspection schedules (API 650/653)?
Are visual inspections recorded and audited?
Are robotic or UT-based inspections used for limited-access areas?
Do you have a complete digital audit trail?
Can you demonstrate asset condition data during HSE inspections?
Are maintenance logs and surveys centralised?
Is fuel quality tested and polished regularly?
Are backup generators supplied with clean fuel?

06**Is your site prepared for climate impacts & extreme weather?**

Are tanks, bunds and drainage assessed for flood exposure?
Do you have stormwater modelling and resilience plans?
Are critical assets elevated or protected?
Are coatings suitable for high heat or rapid temperature change?
Is heat-driven deformation monitored?
Is real-time monitoring used to detect water ingress?
Are climate risks integrated into asset resilience planning?

If you answered “No” to any of the above, Adler & Allan can help.

Book a free consultation today.



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