Asset/Infrastructure Assessment



With increased operating costs, dynamic economic environments and aging plants and equipment, the implementation or optimisation of an asset integrity programme to extend service life of infrastructure may seem challenging, however serves invaluable. Asset integrity management is regarded, in many best-practice organisations, as critical.



As outlined in Extrin's article: "Setting up a Corrosion Management System" in Corrosion and Materials - June 2013, by optimising a current asset integrity programme, the client achieves:

Reportable method for providing risk reduction
Optimisation of asset life from an economic, functional and safety viewpoint
Issue identification and deterioration mechanisms
Prioritisation and management options
Latest industry best practices
Demonstration of due dilligence and duty of care

At Extrin, we commonly use a Corrosion Management Audit (CMA) which provides a qualitative corrosion assessment of assets and critical infrastructure including: structural steel, concrete, electrical equipment, walkways etc. Assessment is conducted by qualified Engineers as per recommended practice in API 580 Risk Based Inspection and will examine the following criteria:



Size of the problem- in a defined and quantifiable form



Corrosion mechanism and the cause(s)



Personalised criticality table, allocating a specific rating to each individual site issue dependant on: safety, environmental, structural and financial impacts.



Assessment of plant assets which are critical for ongoing safety and production



Recommendations on mitigating the probability of failure (inc. changes in metallurgy, addition of inhibition, coatings/linings, cathodic protection).



Budget Estimate for the repairs- summarised in tabular form to assist in future budget allocation

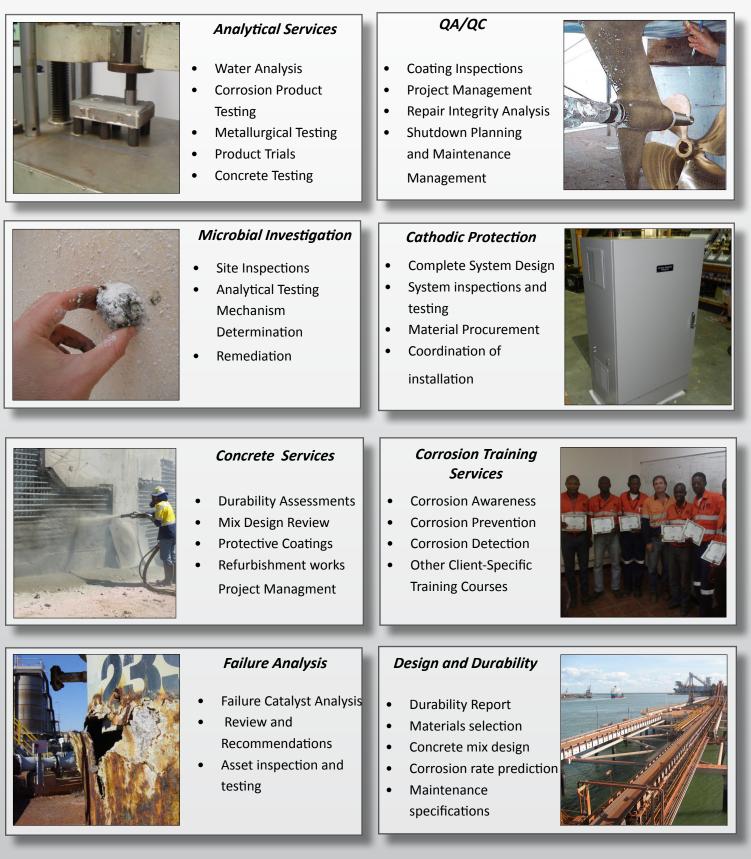


Extrin Corrosion Awareness handbook

The CMA provides the client with a *five (5) year* prioritised maintenance activity schedule to assist with budgeting, and can be coordinated in time with site shut down works.







Visit our website for more information on our services and projects undertaken



"Consultants in Corrosion Management"

4/44 Vinnicombe Drive Canning Vale WA, 6155 T: +61 8 9456 0344 E: extrin@extrin.com.au W: www.extin.com.au