

## What is Microbial Corrosion?

Microbially influenced corrosion (MIC) is known to cause significant economic damage across a broad range of industries. Pipelines, storage tanks, thickeners, offshore platforms, marine port piling and underground structures have been reported to be quite vulnerable to biological corrosion which is thought to be mediated by different groups of microorganisms.

Of the diverse corrosion processes, the microbially influenced corrosion (MIC) of metals has been estimated to account for up to 50% of the costs of damage.

Interestingly, microbial corrosion often presents as localised pitting, which, depending on the affected asset, is usually more severe than the general corrosion processes that are evenly distributed over the metal surface and for which "corrosion allowances" are usually assumed to accommodate.

Microbial corrosion under aerobic or oxygenated conditions involves complex chemical and microbial processes due to metabolic activities of different groups of microorganisms



## What Extrin can provide...



## Our other services include...





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