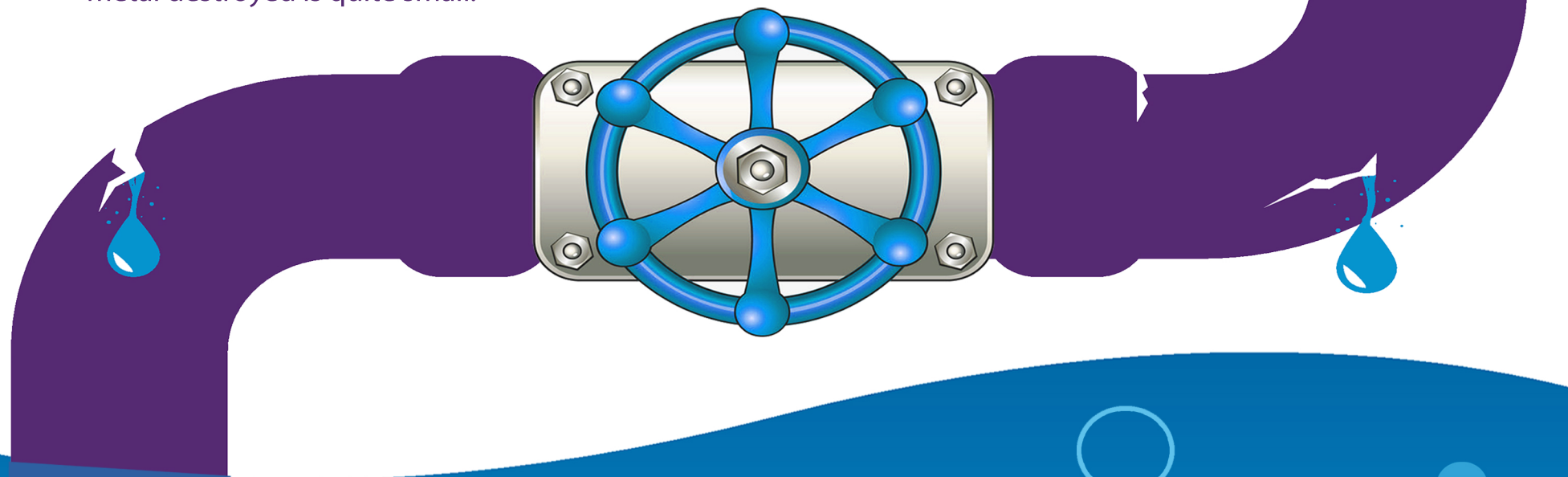


Effects of CORROSION

The consequences of corrosion are many and varied and the effects of these on the safe, reliable and efficient operation of equipment or structures are often more serious than the simple loss of a mass of metal. Failures of various kinds and the need for expensive replacements may occur even though the amount of metal destroyed is quite small.



Downtime
of Equipment



Escape of Fluids



Reduced Strength



Lost Surface
Properties



Economic Losses



Reduced Value
of Goods

Corrosion testing is essential in determining how materials react under replicated conditions and can help make certain they will reach their projected design life.

Corrosion testing is a widely used method of evaluating a material's ability to withstand specific environmental conditions. Corrosion in field conditions can be slow, therefore accelerated test methods have been designed to enable evaluation and prediction of long-term corrosion behavior. Overall, corrosion testing is conducted by exposing small samples of a material to the desired environment for a relatively short period of time, then evaluating the type and severity of corrosion in order to select materials that will get the most out of the life of the part in question.

Our corrosion testing services can be applied across all industries and span from short-term routine testing with fast turnaround to longer-term bespoke projects. WMTR has the expertise and facilities to simulate challenging production environments and evaluate how materials perform within them.



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wmtr.com | 724•537•3131 | us.sales@wmtr.com