

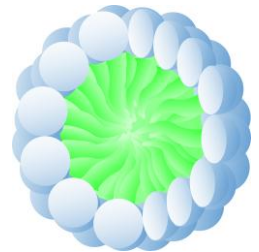
# CoMic™

## REVOLUTIONARY NEW METHOD FOR ENSURING EFFECTIVE CORROSION PROTECTION

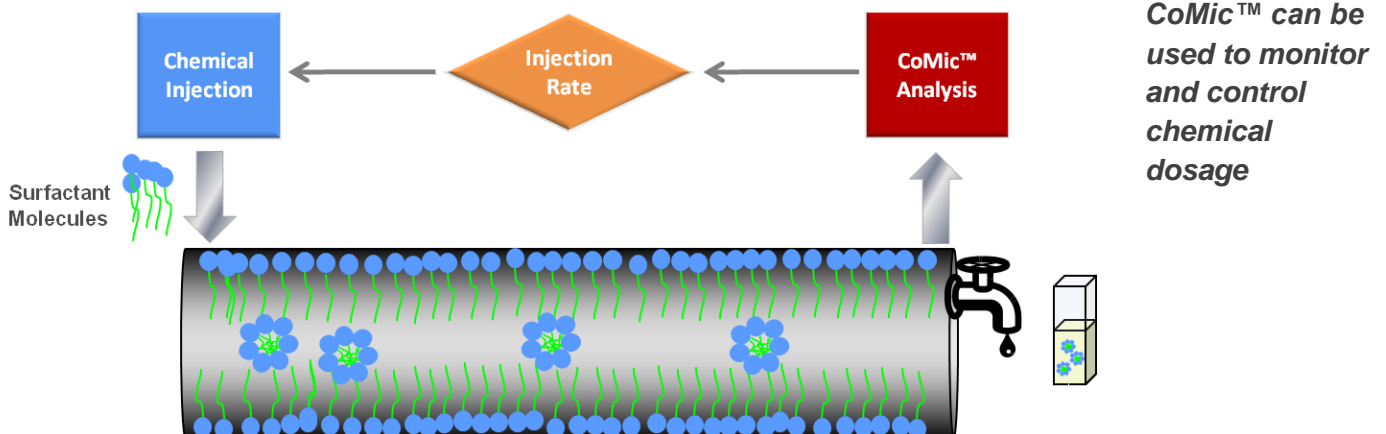
Pipeline corrosion management has attracted ever increasing attention over the past couple of decades due to a number of high-profile pipeline failures; risk assessment strategies and pipeline integrity management programs have therefore gained greater importance. CoMic™, currently in development in collaboration with a major Operator, aims to offer proactive measurement of corrosion protection levels rather than a retrospective measurement of corrosion.

### Principle of CoMic™

CoMic™, designed for use with film forming surfactant corrosion inhibitors, is an entirely novel concept in chemical monitoring and is based on detecting corrosion inhibitor micelles in oilfield fluids. The presence of micelles can be used as an indicator for the efficacy of the corrosion inhibitor dose. Micelles start to form when bulk protection has been conferred (i.e. the capacity for that chemical to coat the pipe has been reached) and so their presence is a simple and direct indicator of optimum inhibitor dose. The principle is based on functionality, it is independent of chemical composition, so can be used with numerous corrosion inhibitor formulations.



### Proactive Corrosion Management



No corrosion inhibitor micelles present		System under-protected and at serious risk of corrosion
Lots of micelles present		Inhibitor overdosed with potential for emulsification and processing problems
Very low numbers of micelles		Indicates system is dosed with the optimum amount of inhibitor

### Key Features of CoMic™

- ✓ Universally applicable across different inhibitor compositions and formulations
- ✓ Able to provide protection information on lengths of pipe rather than just a single site
- ✓ Amenable to automation
- ✓ Non-intrusive
- ✓ Eliminates the delay in laboratory analysis



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