**ICorr Certified MIC Technologist**

**Training Course**

The Institute of Corrosion (ICorr) is delighted to offer the certified Microbiologically Influenced Corrosion (MIC) course to meet the increasing demand from industry.

MIC is the least understood phenomenon of corrosion despite it was identified as the prime cause of a number of high-profile failures around the world with devastating effect on health, safety, reliability and finance of operations, company reputation and the environment. It is estimated[[1]](#footnote-1) that 20% of all corrosion failures are primarily due to the metabolic activities of microorganisms in industrial systems, with an estimated annual cost of UDS 2.5 billion to the oil and gas industry.

The state-of-the-art course provides expert knowledge on MIC threat assessment, identification, and mitigation technologies. The last over three decades of research and hand-on field experience, provided in depth understanding of oilfield microbiology. The introduction of modern microbiology methods to industry enhanced the characterisation and development of more effective monitoring and prevention techniques.

The course uses case studies to share best practices to control the spiraling MIC and associated microbial colonisation cases in different sectors around the globe, including the oil and gas, water treatment and filtration/reverse osmosis, infrastructure, and nuclear energy. It also addresses future trends regarding the development of effective modelling to better predict MIC and to ensure targeted treatment.

The ICorr Certified MIC Technologist course covers the different aspects of MIC to meet the demands of various industries including;

* Corrosion causing microbes
* Monitoring (conventional and modern) methodologies
* Control and prevention technologies
* Affected materials
* Identification and managing MIC.

The course duration, requirement and cost are summarised in the following table.

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| **Certified MIC Technologist** | A five-day course covering theoretical and practical sessions with a focus on providing detailed knowledge on managing and conducting a MIC control program including setting system specific sampling schemes and monitoring strategies, data interpretation and presentation and identification of potential risks and confirming microbial involvement.  Certification exam will be on the last day of the course. |
| **Who should attend** | The course will be of considerable benefit to managers, consultants, project leaders, industrial biologists, corrosion engineers, scientists, students, field management, contractors and technical staff. |
| **Cost of the course** | The fee for the course is GBP 2,500 + VAT‡ including certification. The cost is based on attending the course in the UK. |

‡: Reclaimable by VAT registered companies

The Institute of Corrosion is happy to discuss your needs and to deliver the course either at;

* ICorr premises in the United Kingdom, or
* Your premises around the world.

The course is delivered by Dr. Tony Rizk, a world-renowned expert with many years of practical experience.

Please contact ICorr for registration and/or to send your feedback on: [admin@icorr.org](mailto:admin@icorr.org).

1. : **Flemming, H.C., Biofouling & microbiologically influenced corrosion (MIC) an economic and technical overview in Heitz, E., Sand, W. and Flemming, H. C. (eds), Microbial Deterioration of Materials, Springer-Verlag, berlin-New York, 1996, pp 5-14.** [↑](#footnote-ref-1)