

Biofilm control

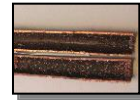
Problem Areas

- Biofouling (reducing treatment efficiency)
- Microbially influenced corrosion
- Softscale & schmoo in pipelines and process equipment
- Topside & downhole souring
- Bioaerosol contamination (Health & Safety risks)
- Biofouling in water supply systems



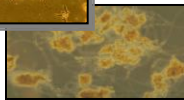
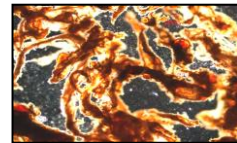
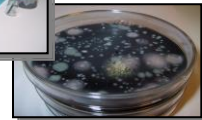
Solutions

- R&D
- Mitigation and control
- Monitoring the scale of problem
- Establishing monitoring control program
- Training, guidelines, communication



Arena

- On- and offshore oil & gas industry
- Water supply
- Waste water treatment
 - Water source
 - Water storage
 - Pipelines
 - Water treatment
 - Water disposal
 - Health & Safety



Our Services

- Applied R&D in-house and in the field
- Environmental surveillance & risk assessment
- Pre-feasibility and conceptual studies
- Bench to full-scale processes testing
- Reactor and plant design
- Regular training courses
- Instrument lease

•Expertise

- Qualified and applied personal
- Delivery of timely solutions to clients
- Knowledge transfer between industry, universities, authorities, and other specialists
- Third party independence
- Interdisciplinary
- Regular customers

•Instruments & Procedures

- Laboratory biofilm flow-reactors
- Biofilm monitoring side-stream devices
- Microsensor technology and microscopy
- Offshore souring and corrosion monitoring
- Classical and modern microbiological methods
- Analytical chemistry and microbiology laboratories

