

Hammertech AS

offers products increasing the productivity of oil & gas extraction and separation processes

Hammertech offers innovative solutions to better utilize the oil and gas extraction process, and increase productivity and recovery hence prolong a oil/gas field's economic lifetime,. Hammertech portfolio consists of several products with common technology. Focus in the first phase is to develop and launch the Level profiler which can be used to control and improve the separation process. The product is an innovation on the market, it uses a unique technology to measure the level of water/gas/oil. Hammertech works on a new type of water fraction meter that will be independent of the ration between gas and oil, and a multiphase flow meter that can measure the amount of oil, gas and water both in horizontal and vertical pipes.

APPLICATIONS

Oil & Gas industry - extraction and separation processes

ADVANTAGES LEVEL PROFILER

- Measure level of fluids, emulsions, foam and gases in separation tanks.
- High accuracy, robust and reliable
- Environmental fiendly, no hazardous components
- Full real time information under 2 sec
- Inflatable scaling cracker
- Optimisation of chemical additives
- To be interfaced with existing control systems

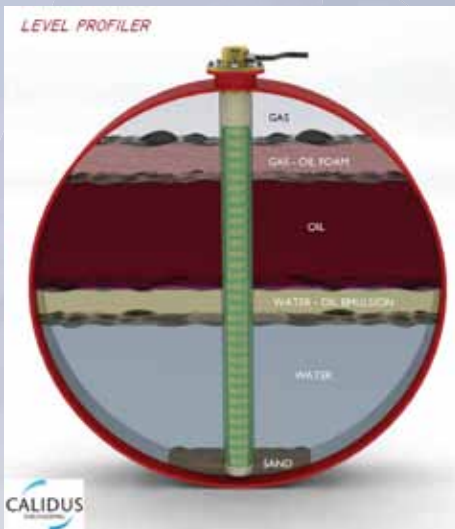
ADVANTAGES WATER FRACTION METER

- Simple construction, robust, reliable.
- Measure the content of water in oil/water/gas-mixtures
- High accuracy down to 100ppm
- Give the conductivity of the water
- Can measure the water content independent of oil/gas fractions
- To be used both in water continuous and oil continuous phases
- Environmental friendly, no hazardous components
- The instrument is to be flanged to the pipeline

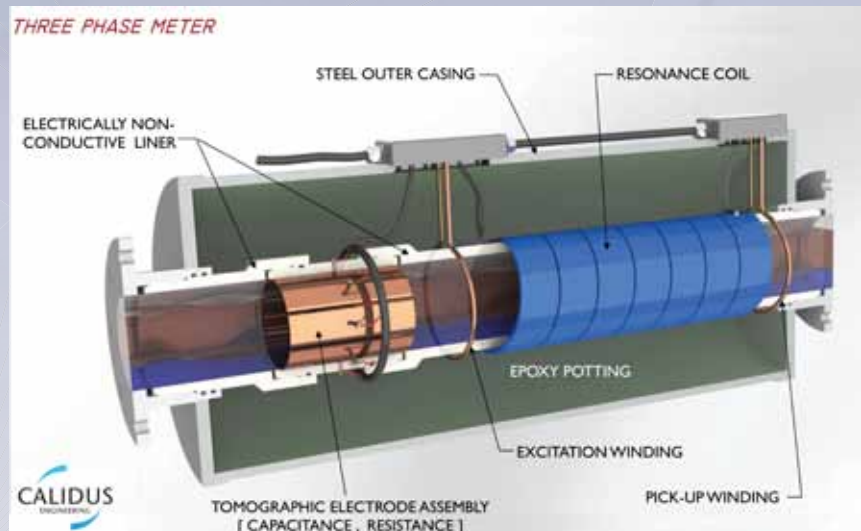


Hammertech AS was established fall 2009 by Professor Erling Hammer, Institute of Physics and Technology, UiB, together with BTO. Prof. Hammer has been involved in several commercialisations throughout the last three decades, and several of these have developed into prosperous companies. He was one of the founders of the AS Fluenta which was later acquired by publicly traded Roxar ASA (acquired by Emerson in 2008). He has developed several successful products for the oil&gas industry. During his professional career, Prof. Hammer has published more than 200 publications. Professor Hammer has also been working as a research manager at CMR for many years. Hammertech AS has a close relationship with the University of Bergen, and will in the initial phase be located at Nyskapingsparken Incubator.

www.hammertech.no



Level Profiler is used to measure levels of oil, gas, water, emulsion and foam in the separation tank. The profiler can be used on the separation tanks placed subsea or on the oil platform.



Water Fraction Meter is a metering solution that can be applied on the oil or gas pipes. It measures the fraction of the water in oil/gas/water mixture. The advantage of this measuring principle is that it can be used both in the oil continuous phases and the water continuous phases.

INTERESTED IN THIS TECHNOLOGY?

Patent protected technology.

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BTO is the technology transfer office in Bergen, supporting 8 research institutions in commercialization and technology transfer. Together these institutions employ more than 2800 researchers and have an research base of more than 3MrdNOK (billions). The researchers are involved in a broad range of exciting projects. Researchers, faculty and students from these institutions provide BTO with about 100 new innovative ideas and technologies each year. BTO's goal is to help researchers commercialise their research results to ensure that knowledge and inventions benefit individuals, society and industry.



GUIDING GOOD IDEAS