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Magnum succeeds in Norwegian high tech EDM plant

Aarbakke a.s is one of Norway's leading manufacturers of speciality downhole equipment for the offshore industry (www.aarbakke.no).

They work in close cooperation with all major oil companies and service companies including Halliburton-Schlumberge-Weatherford. The factory itself is state of the art, including all new equipment and even orange trees in the main manufacturing area to monitor air quality.



Terje Selbach, owner of Aventi Norge (tel. 0047 971 110856, email post@aventinorge.com), the Norwegian Magnum distributor was unsure of how effective the Magnum technology would be because the company works very exotic materials, including superduplex titanium.

Aarbakke attached a Magnum Clear Process Unit to one of their EDM machines, it took only a couple of minutes before they could see contaminant building up on the core.



On the back of this success the Aarbakke have placed a Magnum Process Unit on the centralised fluid cleaning system (on the supposedly clean side with a flow of 117 l/min) and are introducing Clear Process Units on to each machine to minimise downtime.

The Process Unit has cleared more than 100 kg of superfine contamination on the clean side of fluids to date. Presently it requires cleaning every week when 2-3 kg of fine contamination is trapped. The level of very fine particulate on the clean side of a filtration system that initially cost millions of NOK has been quite a surprise to Aarbakke.

A trainee has been put in charge of the servicing of the units as part of his general training

They have recently begun quantifying the savings through increased tool and fluid life.

It should be noted that the fluid cleaning facility originally purchased cost millions of NOK.

Aarbakke has specified the Magnum on all new machines for speciality tooling operations that are presently on order.