**PRESS RELEASE**

Hydrocarbon removal optimised with advanced Coalescer technology

***15 May, 2014:*** *The process of removing hydrocarbons from contaminated water has been streamlined by Procon Environmental Technologies, which has added advanced Coalescer technology to its tried-and-tested MyCelx water filtration system.*

The MyCelx water filtration system, already proven to remove 99,9 percent of hydrocarbons to meet South African storm water discharge limits, now includes a primary and secondary Coalescer as a pre-treatment to reduce the hydrocarbons and suspended solids loading into the polishers, thereby increasing the lifespan of the system, while lowering lifecycle costs and operating expenditure.

Procon managing director **Kuno Kerlen** explains that this first-of-its-kind technology in South Africa coalesces small oil droplets into larger size droplets, which can be recovered as free product at a high purity of 80 percent or more. "At the secondary stage, MyCelx Regen media coalesces small droplets of oils and captures small micron suspended solids, before recovering the oil and suspended solids through automatic regeneration or backwash," he states.

Industries including; mining and manufacturing, petrochemical and oil and gas can benefit from this unique solution, launched locally at the beginning of 2014. Kerlen adds: "Coalescer technology enables industries to undertake production and manufacturing processes with high fluctuations in oil and suspended solids content in water, and where polisher alone may not be a viable solution. This ensures greater productivity, without environmentally damaging consequences."

Kerlen notes that feedback from the market has been positive. "We have provided a number of pilot trials and product demonstrations at industrial operations that require this niche solution. The market response to date has been promising, and I am optimistic of gaining market share in oil water treatment and separation applications locally and across Africa."

**Procon water filtration technology in detail**

Effective hydrocarbon removal can be achieved by combining Procon's proprietary MyCelx filtration and ProSpin oily water separation solutions. Prospin’s hydrocyclone technology is able to remove 95 per cent of 10 to 15 micron oil droplets from the water. MyCelx is then installed after the ProSpin process to filter out the remaining hydrocarbons. Upon contact with MyCelx, oily pollutants in the air and water bond immediately and are permanently attached to the filter media.

MyCelx instantly removes 99,9 percent of hydrocarbon contaminants in a single pass, even at high flow rates. What’s more, the system is environmentally-friendly, and never releases a hydrocarbon chain once in contact with MyCelx. It permanently binds slightly soluble organic compounds and colloidal metals, and will not release pollutants due to its visco-elastic nature. This guarantees that Procon clients meet the national discharge standard of less than 2,5 parts per million (ppm).

Although the initial purchase cost of the MyCelx Coalescer system is high, Kerlen stresses that it provides a highly competitive total cost of ownership. "Achieving cleaner water in faster turnaround times adds substantial value to any environmentally conscious industrial operation. Procon also provides full training and backup support to clients to ensure maximum productivity, by eliminating the risk of any unforeseen downtime caused by technical misunderstandings," he concludes.

***Ends***

**Notes to the Editor**  
There are numerous photographs specific to this press release. Please visit <http://media.ngage.co.za> and click the Procon Environmental Technologies link.

**About Procon Environmental Technologies**Today more than ever before it is the responsibility of companies and their employees to be aware of pollution and its environmental consequences. While the first principle of environmental management is that prevention is better than cure, accidents and spills do happen. It is for this reason that Procon Environmental Technologies was established in 1993. We offer a full scope of Environmental Products & Technologies, specialising in systems that minimise the impact of contamination on the environment and surrounding areas. The company has secured exclusive partnerships with international companies that are world leaders in their field of expertise.

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