



EDF Research & Development

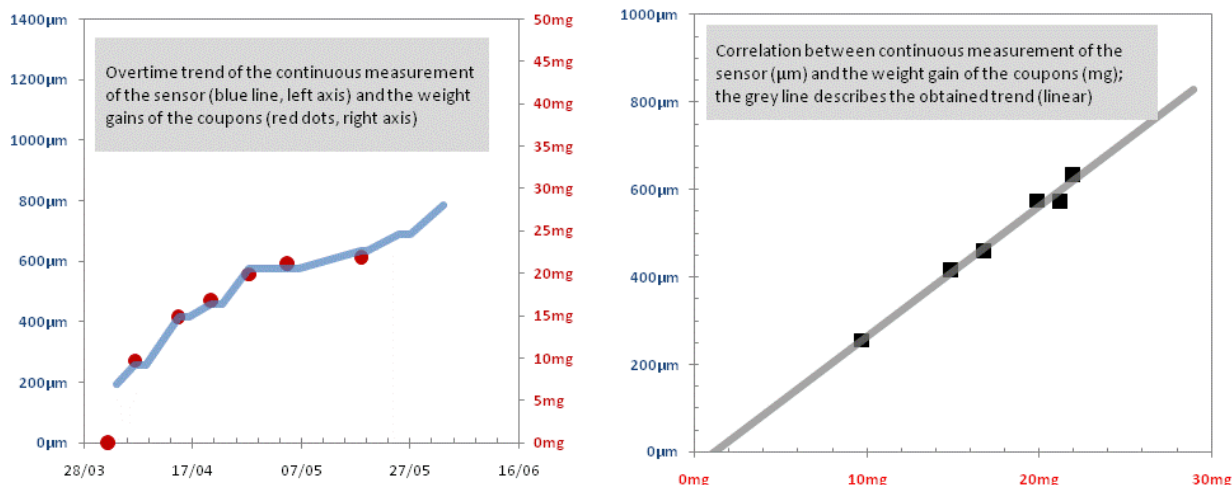
SUCCESS STORY

Innovative sensors, probes and systems for water-quality monitoring.

EDF R&D chose to characterize NEOSENS on-line and continuous fouling measurement systems to determine the interest in using these sensors for fouling monitoring in tertiary water cooling systems of nuclear power plants.

The objective of EDF R&D is to determine if NEOSENS sensors can constitute an indicator to monitor the efficiency of a biocide treatment on fouling at various locations in a tertiary water cooling system.

Below are presented the trend and correlation obtained by coupon sampling (weighing):



EDF used a semi-industrial pilot site with makeup water coming from a river to emulate a tertiary water cooling system of a nuclear power plant. Within this environment, NEOSENS sensors are capable of supplying on-line, continuously and real-time fouling signal at a given location of the cooling system.

These studies confirm that NEOSENS stand-alone sensors are responsive, rugged and easy to use.



Neosens will provide you the best innovative and most reliable solution for your application and needs.

Neosens S.A.

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About Neosens

Founded in 2001, and located outside Toulouse, France, Neosens develops and markets a new generation of sensor solutions to monitor and control the quality of any liquids in the environment and the industry to optimize industrial processes, to protect our environment, and to extend life of equipment.

With expertise in electro-chemical fluid monitoring and microelectronics processes, Neosens has created a series of innovative sensors based on Micro-Electro-Mechanical Systems (MEMS) technology, which enables to reduce the size of the sensors, while increasing their precision and reliability in harsh environments. Neosens' advanced solutions monitor water quality continuously, in-situ and real-time for applications such as cooling systems, pulp & paper, food & beverage processing, and more.