

Monitoring the intake of a desalination plant for hydrocarbon contamination

APPLICATION

Monitoring a seawater intake for hydrocarbons to protect the operations in a desalination plant.

CUSTOMER

Desalination plant, Algeria

PROBLEM

The intake is near to a port where there is the occasional risk of hydrocarbon contamination. If contamination happens the RO membranes can be damaged and the quality of the water can be affected

PRODUCT

MS1200-01-SYS – Standard version, 4-20 mA, continuous measuring

INSTALLATION FACTS

In June 2020 Multisensor Systems was contacted by an Algerian desalination plant that was looking for a way to protect its intake. The intake is an open channel intake that takes water from the sea. The unit is installed next to the intake (less than 10 m from the channel), in a specially designed cabinet, and water is recirculated through the tank continuously through the transparent tank.

The instrument is connected to the local DCS system using the 4-20 mA output and alarms are set up at 20 ppb (low level alert) and at 50 ppb (high level alert).

The COVID pandemic meant that Multisensor System could not send an engineer on site for the commissioning so remote support was throughout the installation and the instrument was successfully commissioned.

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A picture of the unit installed in the outbuilding.