

Fire protection

AQ90 case study

Offshore marine turbines

Project

Marine Turbines, Bristol Channel, UK

Fire risk analysis

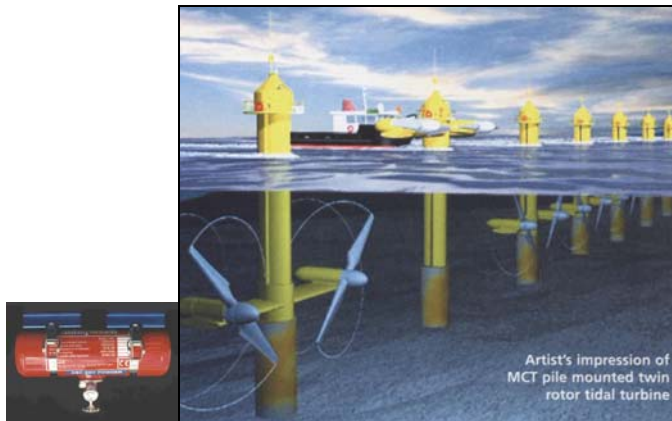
A series of Marine Current Turbines are being piloted to harness the power of the oceans to generate renewable electricity. Due to their hostile offshore locations, the generators are not easily accessible, and automatic fire suppression systems were needed to protect the sophisticated electronic control gear from possible electrical fires.

Further information

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Solution

A rugged and simple automatic solution was called for, together with a requirement for the systems to be self-powered.

For confined space protection the AQ90 ceiling mounted automatic extinguisher is ideal. These were supplied with a Dry Chemical powder agent that is suitable for the types of fire anticipated. The units are completely self-powered and require no additional power source. The AQ90's supplied were fitted with signal switches, that activate in the event of a fire to generate a radio alarm that is monitored back at base.

