Suppliers and research companies for Offshore Turbines integrate AF-X Fireblocker extinguishing systems.

Offshore wind power or offshore wind energy is the use of wind farms constructed in bodies of water, usually in the ocean, to harvest wind energy to generate electricity. Higher wind speeds are available offshore compared to on land, so offshore wind power’s electricity generation is higher. In the Netherlands, we have more than 2,000 wind turbines with an installed capacity of 2,500 megawatts. The Dutch government has the ambition to grow to 6,000 megawatts in 2020. By placing wind parks, offshore area should also be made of containers that can be used in all sort of conditions.

High fire risk
In addition to a generator and often a transformer, the wind turbine’s nacelle contains brakes, switch boxes, transmissions and converters. Due to the combination of these parts and lubricants, grease, plastic and electronic components, there is a high fire risk in the nacelle. Short circuit, overload, overheating and lightning stroke are the main causes of fire in a wind turbine.

Compact, with a flawless and quick installation.
The interior design of turbines leaves little space for other installations, such as fire extinguishing systems. The dimensions of the AF-X Fireblocker BM are 25 x 25 x 30 cm, taking up a fraction of the space other systems use, such as gas suppression systems. Thanks to the integrated connector, the AF-X Fireblocker is a plug-and-play-system and results in faster installation giving less downtime of the turbine.

Technical data of the 40ft offshore power management container
- 12 meter long 2,5 meter wide with a height of 2,9 meter
- Internal volume 66m³
- 2x AF-X Fireblocker Carbon: 1x CM & 1x BM
- Kentec XT activation panel
Prevent fire with AF-X Fireblocker.

Fire causes enormous damage. Most fires develop from a short circuit in, or overtaxing of engines or equipment. Unseen. Unnoticed. Undiscovered until late, and more often than not even far too late. AF-X Fireblocker is one of the few systems that operate from within and blocks the fire directly at the spot that until now could not be protected: right at the seat of the fire.

Built-in fireman
Originally developed for space travel, AF-X Fireblocker serves as a built-in fireman and swiftly blocks the fire with a dry aerosol compound. From the very first spark. Without using water. Completely harmless to man, beast and the environment and with no threat to business continuity. Low purchasing costs, low installation costs and low maintenance costs. No need for constructional provisions. Long life. No consequential loss. In other words: an annual cost saving of many, many euros.

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