



ROTAREX
FIRETEC



FIREDETEC
COMPACT FIRE SUPPRESSION SYSTEMS

FIRE SUPPRESSION SYSTEMS FOR WIND TURBINES

WIND TURBINES ARE A HIGH RISK FOR FIRE



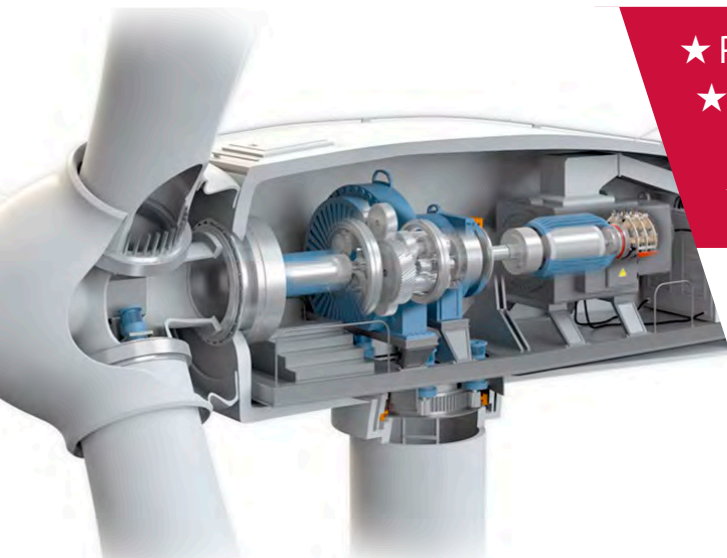
CAUSES OF FIRE :

- Lightning strikes
- Electrical malfunction
- Mechanical failure
- Errors with maintenance

- ★ Highly flammable materials such as hydraulic oil & plastic near machinery and electrical wires can overheat and ignite
- ★ Winds can fan fire inside the turbine
- ★ Fires will impact energy production and economic output



FIREDETEC® SOLUTION: PRE-ENGINEERED DETECTION & SUPPRESSION SYSTEM FOR WIND TURBINES

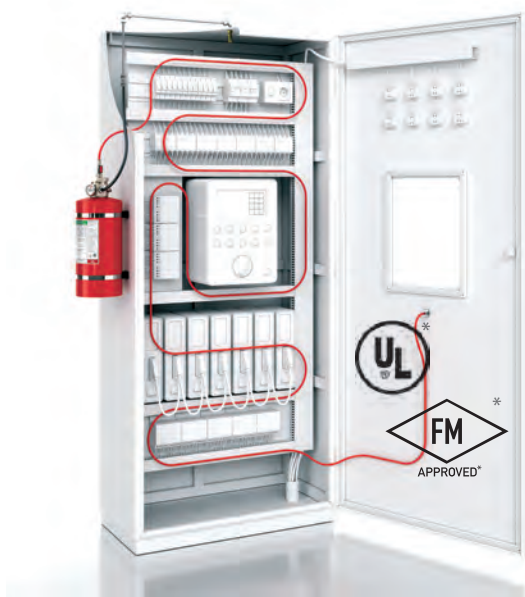


- ★ Protects fire-prone components in turbines
- ★ Automatically detects and suppresses fire 24/7- no need for human intervention
- ★ Low maintenance and cost effective solutions

IDEAL FOR :

- Control cabinets
- Switching boxes
- Transformers
- Converters

A CHOICE OF DETECTION SYSTEMS



1. Quick & Easy installation directly inside the enclosures:
The flexible sensor tubing is easily installed directly inside the enclosure closer to where a fire could start.

2. Early fire detection:
If a fire occurs, the heat of the fire causes the pressurized sensor tube to burst at the hottest spot (approx. 110°C).

3. Instant suppression:
The sudden tube depressurization actuates the special pressure differential valve and instantly floods the entire enclosure with extinguishing agent. The fire is quickly suppressed just moments after it began... minimizing damage and downtime.



1. Quick & Easy connection to electronic linear detection systems:
Plug-&-Play connection to a solenoid actuator on the cylinder.

2. Instant suppression:
The electronic detection system detects a fire and sends a signal to the solenoid valve which actuates the special pressure differential valve and instantly floods the entire enclosure with extinguishing agent. The fire is quickly suppressed just moments after it began... minimizing damage and downtime.

*applies to DOT approved cylinders only with
3M™ NOVEC™ 1230 Fire Protection Fluid



REAL-TIME DIGITAL MEASUREMENT

- ★ Always know your system is armed and ready
- ★ Digital sensors calculate exact cylinder contents (compensates for temperature)
- ★ Proactively send warnings in case of leakage or discharge of system

ADVANTAGES

- Improves accuracy
- Reduced maintenance costs
- Personal alarm level setting
- Multiple cylinder controlling
- Easy installation
- Easy calibration
- Sensor resistant to high vibrations and shocks
- Extremely low temperature: -40°C to 65°C



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SOME REFERENCES

