

LOCALISED SUPPRESSION SYSTEM

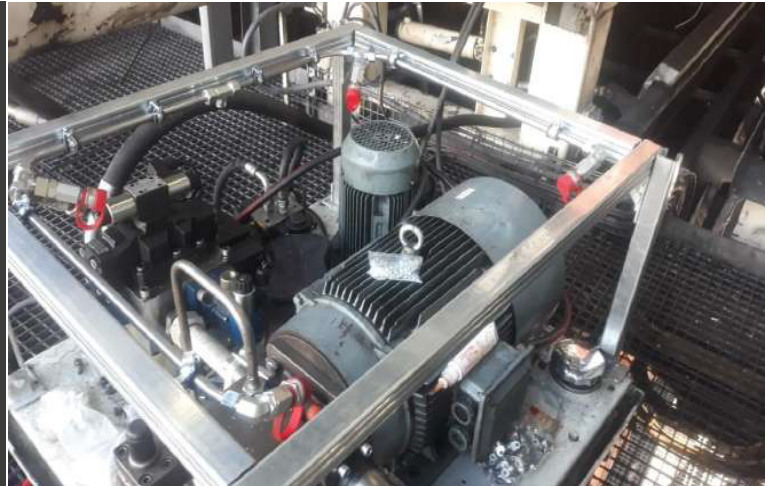


www.i-cat.co.za

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PROTECTS THE FOLLOWING:

- Conveyor belts (tail pulley, head, tensioner)
- Transformers
- Hydraulic packs
- Fuel storage tanks
- Substations
- Oven burners
- Wind turbines
- Pump parts
- Lube Rooms
- Compressors
- Generators
- Electric motors and more



SYSTEM OBJECTIVES:

- Effective fire detection
- Effective fire suppression
- Reducing down-time and clean-up after activation
- Considering the environment
- Easy installation and operation
- Cost effective maintenance
- Stand-alone systems

The I-CAT Fire Solutions' Localised Suppression System (LSS) was designed to protect your valuable production and industry equipment such as transformers, hydraulic power packs, conveyor belts (high risk areas like tail, head and tensioner pulleys) and fuel storage tanks against fire.

THE SYSTEM MAKES USE OF WATER MIST TECHNOLOGY

This technology is currently the leading misting technology internationally extinguishing all classes of fires by using water mist as the agent with a foam additive. The system creates a fine atomised mist, charged with kinetic energy to penetrate the heat radiation caused by a fire. It leads to gradual cooling without causing thermal shock to the equipment. A foam additive is added to the system to prevent any class B fire from spreading when fuel lines or hydraulic lines rupture, causing equipment fires.

LINEAR HEAT SENSITIVE DETECTION TUBING:

When used in conjunction with I-CAT Local Suppression System, linear heat detection tubing offers a highly reliable detection and system activation methodology.

'I-CAT LOCALISED SUPPRESSION SYSTEMS CAN BE CHARGED WITH WATER OR WATER AND FOAM TO FIT SPECIFIC OPERATIONAL REQUIREMENTS'

SYSTEM MAINTENANCE:

The water and/or foam mist system is designed to improve and save on maintenance costs. Once a system has been activated, it will require a foaming agent refill, antibacterial tablet, detection tubing repair and system pressurisation with nitrogen or compressed air. All I-CAT Systems can be re-instated on site within minutes.



'Protecting your high value equipment against fire risk'