

# LOCALISED SUPPRESSION SYSTEM

## 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

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 Foam Mist as the agent. 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.

## I-PROTECT HEAT SENSITIVE, LINEAR DETECTION TUBING:

Pneumatic, detection tubing is available in activation temperature ranges of 80°C - 110°C and 150°C - 180°C. When used in conjunction with I-CAT Local Suppression System it offers a highly reliable detection and system activation methodology.

**'I-CAT LOCALISED SUPPRESSION SYSTEMS CAN ALSO BE CHARGED WITH WATER 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 pressurization with nitrogen or compressed air. All I-CAT Systems can be re-instated on site within minutes.

