

BI-02A.80 System that monitors thermal digital fingerprint

(Accountable - Engineering Manager (Site) (Unassigned))

Expectations

Industry project

Thermal monitoring systems alert mobile equipment operators and others of potential and actual fires.

Specify

Digital monitoring system - connected to mobile plant and onboard FSS control systems that track the thermal conditions on the machine.

The system detects signs of out of specification conditions such as flammable liquid release, uncontrolled heating of components, or presence of heat in areas proximate to flammable materials trigger alarms, operator guidance and/or appropriate removal of energy on the item of mobile plant.

Implement

Commissioning of thermal digital fingerprint systems confirms their alarm and react set points meet site (and mobile plant) requirements.

Introduction of equipment to site includes confirming monitoring equipment is in place to meet ordered/required performance criteria.

Monitor

Work orders confirm (by proof test or similar) functionality of the TDF system and provide reports to more senior decision makers on the status of this safety related system.

