



KIDDE AUSTRALIA

# CAPABILITY STATEMENT

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DETECTION & SUPPRESSION  
SOLUTIONS FOR THE AUSTRALIA  
& NEW ZEALAND MARKET



## ABOUT THE COMPANY

### COMPANY OVERVIEW

Since 1917, Kidde has been a global leader in fire protection, protecting people, property and processes from fire hazards. For more than 100 years, industry leaders, the military, airlines, fire fighters, businesses and millions of homeowners have turned to us to do exactly that.

### WHAT WE DO

At Kidde, our mission is to provide solutions that protect people and property from the effects of fire and its related hazard. Kidde Fire Protection has maintained its position at the forefront of fire protection technology through continuous investment in research and development.

### OUR PRODUCTS

Kidde's holistic fire protection offering incorporates innovative fire, smoke, gas, flame and high sensitivity smoke detection products which complement a complete line of fire suppression systems including aerosols, inert agents, clean agents, dry chemical, wet chemical and self contained solutions.



## OUR SUPPORT

Our products are supported by local technical staff, engineers and sales representatives which are factory trained and strategically positioned around the country. Many of the company's technical staff are acknowledged experts in their fields and are members of national and international standards committees such as FPA and ISO.

Our experienced team is backed by a National Distributor Network along with a 6,300m<sup>2</sup> Distribution and Customer Service Centre based in Lidcombe, NSW with adequate inventory holdings to allow us to act swiftly and accurately to address your business needs.

## OUR SERVICES

- System design and consultation
- Product sales and supply
- Australian Standards guidance
- Consultant engagement
- Product specific training
- Industry liaison

## OUR MEMBERSHIPS

- Platinum member Fire Protection Association of Australia (FPAA)
- TAC/2 Fire Detection and Alarm Systems
- TAC/11/22 Special Hazards Fire Protection Systems
- Fire Protection Industry (ODS & SGG) Board - FPIB
- FP-002 Fire Detection and Alarm Systems
- FP-011 Special Hazards
- ME-02 Cylinders committee

# INDUSTRY SOLUTIONS TRANSPORTATION

## HEAVY MOBILE PLANT & GENERAL TRANSPORTATION

Kidde's vehicle fire solutions are engineered to protect the operator, machine and processes. Our products are engineered to utilise the full breadth of expertise developed in the Kidde special hazards business.

From front loader to dragline, compactor to feller-buncher, trust Kidde to meet the challenges of your operation.

## KIDDE REACTON DRY CHEMICAL POWDER SYSTEM

Kidde Reacton Dry Chemical Powder System is a pre-engineered fire suppression system offering complete automatic fire detection and suppression without the need for electricity.

Some of the benefits include:

- Highly scalable for small, medium and large engine bays
- Pneumatic, non-electrical detection system
- Nozzles allow all around protection of engine and hydraulic unit.
- Designed and tested for harsh & demanding working environments
- Low weight, compact with easy installation
- Pre-engineered ideal for OEM and Retrofit
- High quality, long-life, corrosion free stainless steel components

## LINEAR HEAT SENSOR (LHS)

The LHS Linear Heat Sensor is a flexible, durable and cost-effective fixed-temperature fire detector, suitable for protecting a wide range of commercial and industrial fire applications.

LHS is a small diameter cable capable of detecting heat from a fire over its entire length. The sensor cable consists of a twisted pair of 19 AWG copper coated steel conductors covered by a temperature sensitive insulation, and protected by either a plastic braid or jacket for various environmental applications.

- Easy installation and maintenance
- Minimal false alarms
- Provides hazard coverage at every point on the cable for maximum protection
- Compatible with intelligent and conventional detection and fire alarm panels
- Available in a variety of lengths, cable coatings and alarm temperatures for maximum flexibility



## INDUSTRY SOLUTIONS

# DATA CENTRES & TELECOMMUNICATIONS

### KIDDE IGS INERT GAS SYSTEMS

Kidde's inert gas system (IGS) provides flexibility with your choice of multiple agents, efficient installation and overall lower total cost of ownership driven by reduced material, installation and labour costs, as well as a more economical refill cost after a discharge.

Compared with other high pressure inert gas systems, our series 400 valve regulates flow and pressure to allow the use of Schedule 40 piping for many applications. Installation time and labour costs are further reduced with the use of pre-fabricated manifolds, quick-connect actuation hoses and electrical connectors.

- Flow and pressure regulating valve
- Auto shut off during over pressure in piping
- Quick connect pilot line hoses and low pressure monitoring
- Outlet cap also serves as discharge confirmation during in-situ commissioning test and maintenance, only discharge hoses are required to be disconnected for testing.
- A central bank of cylinders can protect multiple hazards using a divert valve system

### MODULASER

ModuLaser is a scalable aspirating smoke detection solution that makes installation easier, maintenance quicker, and takes applications further than traditional air sampling detectors.

The ModuLaser offers detection modules that are sold separately. Up to eight detection modules can be controlled and monitored by one display module. This allows the exact amount of detection channels as required. Additionally there is no need for detection modules to have similar sampling pipe layouts. This translates into multi-channel detection without the traditional limitations, which can mean cost savings on the total solution.



- Each detector module can accommodate up to 250 meters of combined sampling pipe
- Intuitive user interface with color display and functional buttons
- Installation and Maintenance wizards
- Flexible input and output programming
- High resolution chart recorder



INDUSTRY APPLICATION  
**MINING**



**KIDDE ADS FM200/NOVEC 1230**

With the patented-technology of “piston flow”, the ADS system is capable of delivering greater mass flow rates (2.5 to 3 times faster) than a standard clean agent fire suppression system. This innovation allows networking of longer pipe runs in complex configurations with smaller pipe sizes for protection of larger hazard areas.

- Allow agent cylinders to be positioned in a central location and further away from hazard area.
- Smaller piping diameter results in installation cost saving
- Safe for business critical equipment
- Leaves no residue

## SPECTREX FLAME DETECTION

Flame Detectors operate in the harshest environmental conditions and are self-contained stand-alone devices designed for direct connection to control and alarm systems or automatic fire extinguishing systems.

Fire detection is achieved by the SharpEye 40/40 Series Optical Flame Detectors, including Triple infrared (IR3), Multi IR, UV/IR, UV, IR and CCTV models for Ex hazardous areas and safe area compact Mini designs.



## THERMAL PROBE SENSORS

A DETECT-A-FIRE detector is the heart of many fire protection systems...and has been for over 65 years as the first Rate-Compensated detector on the market.

From gas stations to paint spray booths, from range hoods to large power generation systems, from engine compartments to schools, factories and offices, the D-A-F detector is on guard, controlling the release of extinguishants such as clean agents, CO2, water or dry chemicals.

They also can be used as an ALARM device to sense overheat or fire and alert personnel. Rate compensation provides a unique advantage of activation at a pre-determined danger point, whether it be a slow fire or a fast fire.



## INDUSTRY APPLICATION

# ELECTRICAL SOLUTIONS



### **MOBILE ENERGY STORAGE (ESS & BESS) STAT-X CONDENSED AEROSOL FIRE SUPPRESSION SYSTEM**

Stat-X highly-advanced fire suppression technology offers the lightest, most compact, and economical fire extinguishing solution available. Our Stat-X generator is an extremely rugged, hermetically sealed, stainless steel canister containing a stable, solid compound. In the event of a fire, Stat-X units automatically release ultra-fine particles and propellant inert gasses which effectively extinguish fires using less mass of agent than any other conventional extinguishing system.

- No nozzles, manifolds and piping required
- Non-pressurised system
- There is no cylinder weighing or hydrostatic testing required.
- Stat-X systems are bracket mounted within the hazard on the ceiling or walls taking no valuable floor space within the hazard
- Suitable for mobile Lithium-ion battery storage
- Residual Stat-X aerosol in hazard area after discharge prevents re flash typical with lithium ion battery fires.
- Ten year operating life cycle

### **FIXED ENERGY STORAGE (ESS & BESS) KIDDE ECS-500 FK-5-1-12/ NOVEC1230 SYSTEM**

The ECS-500 psi clean agent fire suppression system introduces improved system design flexibility with reduced installation and material costs.

The ECS-500 psi Clean Agent Suppression System is the newest entry in our engineered clean agent suppression product line. The higher pressure (500 psi/34.5 bar) of the ECS-500 with 3M Novec 1230 Fire Protection Fluid provides superior system performance as compared to 360 psi/25 bar systems. Now you have the flexibility of a mid-tier solution between our standard ECS™ and Advanced Delivery System (ADS™) to meet application size and design requirements at the ECS 360 psi price.

- 1,100 lb. cylinder reduces cylinder quantities and installation time required
- Increased system pressure allows for longer pipe runs and use of smaller pipe diameters
- Provides flexibility to remotely locate cylinder storage area more than twice the distance from the hazard



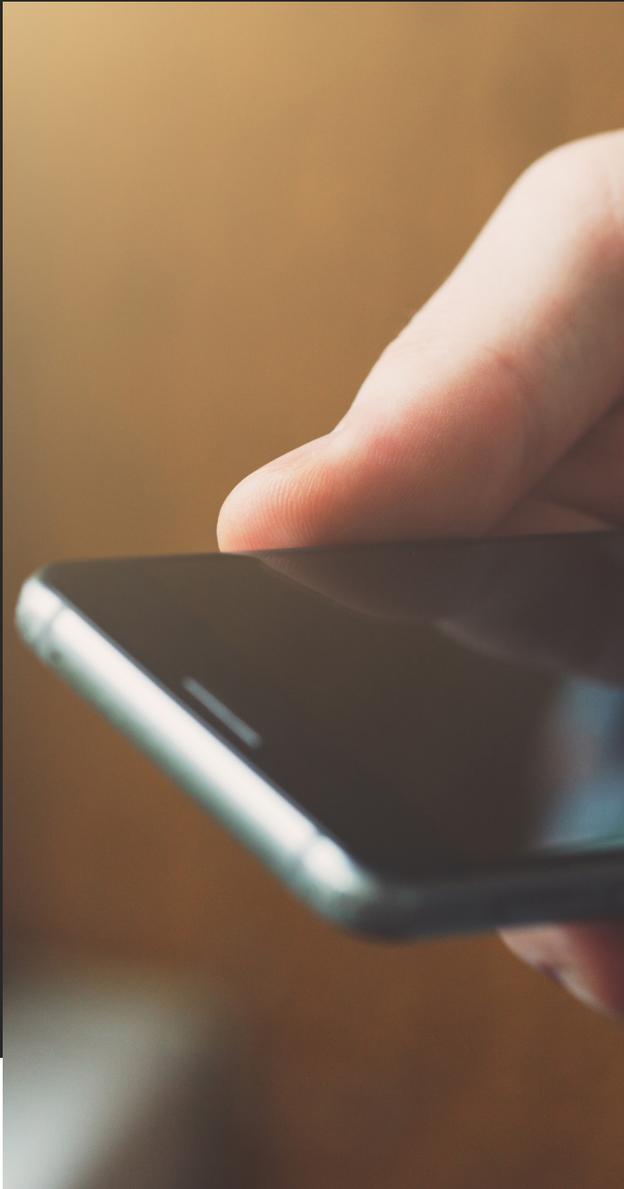
## ELECTRICAL & DATA CABINETS EXXFIRE

Exxfire is an object based protection that combines both early smoke detection and suppression in one single package. The early detection and suppression of fire prevents large damage as well as limits down time.

Exxfire is most suitable for dedicated protection of cabinets that are essential to business continuity. Nitrogen is generated from a generator containing a bio-solid and discharges at ambient temperature.

- Suitable for enclosed IT racks, electrical switch or PLC cabinets and power distribution cabinet
- Can be mounted externally or inside 19" rack
- Optional nozzle silencer for mechanical hard drive application
- Non- pressurised system
- Nitrogen discharges at ambient temperature
- Protects up to 4.5 cubic meter with a 3 generator Exxfire system
- Early smoke detection with optical point detectors
- Ensure business continuity and minimise damage and downtime.
- 10 year operating life cycle



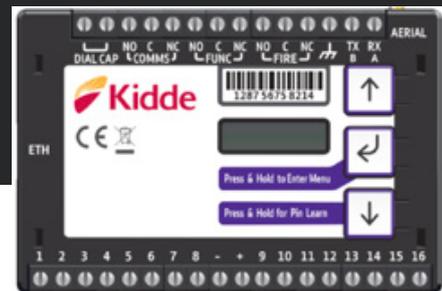


## SERVICES

# ESSENTIAL SERVICES MONITORING

The Kidde Advanced communicator is perhaps the most secure way to monitor your essential services in real time. The Advanced communicator assures that information is available 24/7 and is secured using end-to-end encryption over our UltraSync Secure Cloud.

Users can remotely manage their system with an intuitive app on smartphone or tablet, with push notifications available in case of an activation.



### IDEAL FOR MONITORING

- Gas Suppression Systems
- Remote Fire Alarm Panels
- Pressure or Flow Switches
- Security Alarm Panels
- Vehicle Monitoring Systems (Fire, Accident, Fault)

### FEATURES & BENEFITS

- OLED Configuration Display
- Multi-path wireless signalling
- IP & 4G Dual-SIM
- 16 Inputs and 3 Relay Outputs
- Input Voltage 9.5V to 30V
- Remote Testing, Status and Configuration
- Size of Unit 67mm x 95mm x 17mm

INDUSTRIES WE PROTECT

# OFFERING A RANGE OF PROVEN FIRE PROTECTION TECHNOLOGIES

**QUALITY**

**PERFORMANCE**

**RESPONSIBILITY**

**INNOVATION**

**CUSTOMER CARE**

**ENGAGEMENT**

**THE DEPTH OF OUR EXPERIENCE AND THE BREADTH OF OUR SOLUTION CAPABILITIES CAN BENEFIT ALMOST EVERY INDUSTRY.**

**OUR PRODUCTS, COMBINED WITH OUR HIGHLY SKILLED, WORLDWIDE INSTALLATION AND SERVICE NETWORK ALLOW US TO PROVIDE YOU WITH A TOTAL SYSTEM SOLUTION TO SOLVE YOUR SPECIFIC FIRE PROTECTION NEEDS.**



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