



THE NATURAL CHOICE FOR FIRE SUPPRESSION

THE POWER OF NATURE



FAST, EFFECTIVE AND ALL-NATURAL

INEREX is a complete UL and FM-certified fire suppression system that harnesses nature itself to fight fires and prevent damage. Using naturally-occurring inert gases to suppress fire rather than water or man-made chemicals is cleaner and safer – particularly in environments with sensitive electronic equipment or delicate assets. Plus, it's safer for humans and completely neutral for the environment



Inert gas systems suppress fire with the natural gases found in the air we breathe. Called "total-flooding" systems, it smothers a fire by displacing the oxygen in the protection zone to a level below which fire cannot burn.

- ★ NO RESIDUES – NOTHING TO CLEAN-UP
- ★ NO CHEMICAL REACTIONS
- ★ NO TOXIC BY-PRODUCTS
- ★ SAFE FOR HUMANS
- ★ SAFE FOR EQUIPMENT
- ★ SAFE FOR THE ENVIRONMENT

PROTECTING YOUR MOST SENSITIVE ASSETS



IDEAL FOR EVEN THE MOST SENSITIVE ENVIRONMENTS:



DATA CENTERS, SERVER ROOMS



ELECTRONIC CONTROL EQUIPMENT



MUSEUMS, ARCHIVES, HISTORIC BUILDINGS



OCCUPIED OFFICE BUILDINGS



MILITARY DEPOTS



TRANSPORTATION

CERTIFIED CONFIDENCE



INEREX components and systems are certified according to multiple international standards.



INEREX technology is successfully protecting over 160 000 installations worldwide.

IDEAL TO PROTECT: SENSITIVE DATA & ELECTRONICS



FIRE RISK:

HIGH. Electronic fires due to overheating, short circuits and power surges are the most common causes of commercial fires.

DESIGN CHALLENGE:

- Mission-critical data that cannot risk damage from fire or an overly-aggressive fire suppression system.
- Expensive and highly-sensitive electronics that cannot risk damage from water or chemicals.
- Need to ensure continuity of service means no downtime for clean-up or reconditioning after a fire incident.
- Suppression Agent needs to be safe for human occupants.
- High risk of re-ignition
- Electronic cabinets often have complex geometry that makes it difficult for liquid-based water or chemicals to reach.

INEREX SOLUTION:

- Absolutely no residue from the agent. Quick return to service.
- Suffocates a fire within seconds, and prevents reignition for up to 20 minutes.
- Gas-based agents disperse even inside electronic housings and to hard-to-reach spaces.
- Safe for humans.
- Silent nozzle solution available. Protect servers and hard drives against noise damage during agent discharge.



Data centers, server rooms



Power switching rooms



Control Rooms

IDEAL TO PROTECT: HISTORICAL ARTIFACTS & BUILDINGS



FIRE RISK:

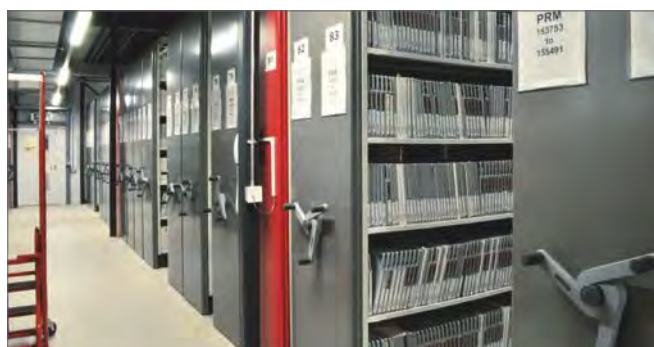
High to medium: Fire can spread quickly due to dry, delicate and usually flammable organic materials. Historical buildings are particularly vulnerable due to a high incidence of older electronic wiring, high incidence of wood, and hollow wall spaces.

DESIGN CHALLENGE:

- Priceless and delicate artifacts that could be damaged if exposed to water or chemical agents.
- Needs to be safe for humans – many of whom could be mobility-impaired.
- Often public institutions who need to demonstrate environmentally-friendly best-practices.
- Historical buildings that cannot accommodate large pipework – or the cylinders need to be far away from the protection zone.

INEREX SOLUTION:

- Gently suffocates a fire within seconds with no chemical or liquid coming into contact with the artifacts.
- No residue – nothing to clean-up afterwards.
- Safe for human occupants.
- Easier to locate cylinders – almost unlimited pipe run and no elevation restriction.
- Easier to install: Pressure reducers mean thinner-diameter piping and smaller vents can be used.



Art Archives



Museums



Art Galleries

IDEAL TO PROTECT: OFFICES, HOSPITALS AND HUMAN- OCCUPIED AREAS



FIRE RISK:

High to medium: Server rooms & electronics.
Fire can spread quickly due to high incidence of paper.
Fires are most likely to start due to faulty electronics.

DESIGN CHALLENGE:

- Needs to be safe for humans – many of whom could be mobility-impaired.
- Often public institutions who need to demonstrate environmentally-friendly best-practices.
- Large multi-story buildings that require cylinders to be located far away from the protection zone.

INEREX SOLUTION:

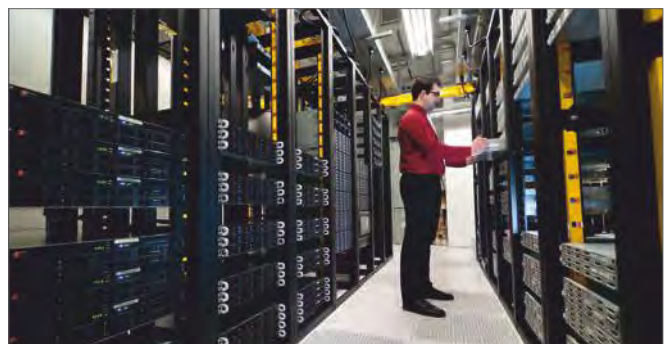
- Safe for human occupants.
- Gently suffocates a fire within seconds with no chemical or liquid coming into contact with vital documents or equipment.
- No residue – nothing to clean-up afterwards.
- Easier to locate cylinders – almost unlimited pipe run and no elevation restriction.
- Easier to install: Pressure reducers mean thinner-diameter piping and smaller vents can be used.



Office Server Room



CT Scan



University Server Room

IDEAL TO PROTECT: TRANSPORTATION AND LOGISTICS



FIRE RISK:

Medium to High: Electronic control equipment, captive passengers, flammable cargo.

DESIGN CHALLENGE:

- Needs to be safe for humans.
- Water or chemical agents could damage cargo.
- Need to ensure continuity of service means no downtime for clean-up or reconditioning after a fire incident.
- Cylinders may need to be far from protection zones.
- Electronic cabinets and cargo containers often have complex geometry that makes it difficult for liquid-based agents or chemicals to reach.

INEREX SOLUTION:

- Gently suffocates a fire within seconds and helps prevent reignition.
- Safe for humans - No toxic byproducts.
- No residue – nothing to clean-up afterwards.
- Longer pipe runs – to locate cylinders farther from protection zones.
- Gas-based agents disperse even inside electronic housings and hard-to-reach spaces.



Control Centers



Train Switching Station



Cargo holds and storage areas

PLUS MANY OTHER APPLICATIONS...



DESIGN CHALLENGE:

- Protecting vital assets for combat-readiness.
- Preventing reignition (explosive ordinance).
- Safe for soldiers and personnel.



Government & Military Depots

DESIGN CHALLENGE:

- Continuity of operations — minimizing damage from extinguishing agents, and eliminating clean-up.
- Preventing reignition - often an issue with electronics.
- Safe for human occupants.



Industrial Facilities

A FULL LINE OF GAS CONTROL SOLUTIONS



COMPLETE SOLUTIONS FROM SOURCE TO PROCESS.

ROTAREX is helping engineers worldwide to get better gas results: from ultra high purity production and medical care facilities to industrial and LPG applications, as well as alternative energy vehicles, fire suppression, diving, aerospace, cryogenics, laboratory, petro-chemical and welding. ROTAREX applies over 90 years of know-how and experience to custom design, develop and manufacture the high performance valves, regulators and fittings to suit your needs, all in one hand. Discover the difference ROTAREX can make in your world.

CYLINDER VALVES

EQUIPMENT

FIRETEC

AUTOMOTIVE

LPG/SRG

MEDITEC



ULTRA HIGH PURITY VALVES



MEDICAL VALVES & EQUIPMENT



INDUSTRIAL CYLINDER VALVES



REFRIGERANT CYLINDER VALVES



PRESSURE REGULATORS



SUPPLY & SWITCH OVER BOARDS



LINE VALVES



FITTINGS & ADAPTORS



**FIXED INSTALLATION
FIRE SYSTEMS**



**OBJECT FIRE SUPPRESSION
SYSTEMS**



**AUTOMOTIVE VALVES
& REGULATORS**



WATER CARBONATION



**LPG TANK VALVES
& REGULATORS**



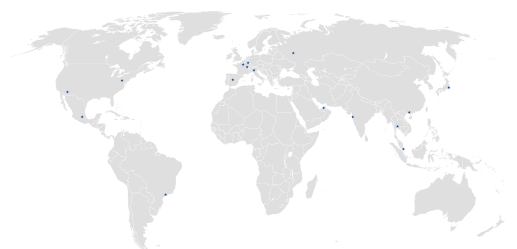
**LPG CYLINDER VALVES
& REGULATORS**



**DIGITAL MEASUREMENT
SYSTEMS**



PLASTIC INJECTION MOULDING

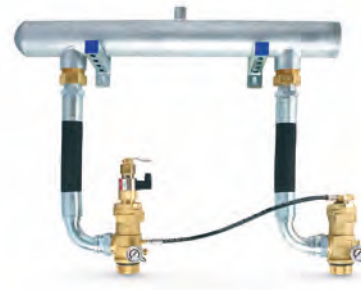


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A COMPONENT-SYSTEM SOLUTION FOR EVERY MAJOR FIRE PROTECTION NEED:


INERT GAS FIXED SYSTEMS

CO₂ FIXED SYSTEMS

CLEAN AGENT FIXED SYSTEMS

OBJECT-PROTECTION SYSTEMS

COMMERCIAL KITCHEN SYSTEMS

VEHICLE ENGINE SYSTEMS