

# FSL Presentation

**Firetec Systems Limited**  
**FSL Italia S.r.l.**

Internationally approved and certified gaseous  
extinguishing system manufacturer





- FSL are an internationally approved and certified gaseous extinguishing system manufacturer.
- The organisation was originally formed in 2008, rebranded to FSL (Firetec Systems Limited) in 2013.
- Senior team industry experience of 30+ years.
- UK headquarters in Wokingham, Berkshire, consisting of a fully functioning production facility and administrative workforce.
- European subsidiary (FSL Italia) consisting of a fully functioning production facility and administrative workforce in Giovinazzo, Bari, supplemented by sales management in Milan.
- Global organisation that is rapidly expanding. With partners, system integrators and market share in 38 countries across Europe, Africa, Asia, North & South America.
- Multiple language skills.
- Logistical expertise in moving gaseous fire equipment across all borders and territories.
- Company accreditations and compliance with major global certification boards.



**Profile**





## Scope ISO 9001:2015

Design and supply of fixed fire gas suppression systems and components in accordance with international standards, supported by the provision of associated customer training.

## Ethos and mission statement

"At FSL we believe that our customer experience separates us from the rest.

We strive to go above and beyond for our partners and proudly abide by the mantra 'big enough to cope, small enough to care'.

We will implement, maintain and continually improve quality processes to provide flexible, available but most importantly sustainable solutions to the fire trade, with our ultimate aim of 'Simplifying fire suppression'"



**Scope & Mission**





INERTECH



HFC227ea



FK5112



CO2



**FSL Inertech** systems provide total flood, naturally occurring, gaseous fire extinguishing with a discharge time of 60 to 120 seconds.

Inertech is fully approved, audited and compliant to internationally recognised standards.

200 & 300 bar systems are available in all inert gas types - (IG-01, IG-100, IG-541 & IG-55), stored in 67, 80 & 140L containers.

Inertech can provide single area and multi way protection, storage banked in single, double, or triple row for a small footprint.

Flow calculation software from VdS for reliable system design. **VdS system and component approval in progress, expected by 2025.**

| Approvals           | LPCB | A2P | VdS | UL | FM | CPR (CE) | CPR (UKCA) | TPED (0029) | ATEX (on request) |
|---------------------|------|-----|-----|----|----|----------|------------|-------------|-------------------|
| IG-01 System        | ✓    | –   | ⌂   | –  | –  | ✓        | ✓          | ✓           | –                 |
| IG-100 System       | ✓    | –   | ⌂   | –  | –  | ✓        | ✓          | ✓           | –                 |
| IG-541 System       | ✓    | –   | ⌂   | –  | –  | ✓        | ✓          | ✓           | –                 |
| IG-55 System        | ✓    | ✓   | ⌂   | –  | –  | ✓        | ✓          | ✓           | –                 |
| Inertech Components | ✓    | ✓   | ✓   | ✓  | ✓  | ✓        | ✓          | ✓           | ✓                 |



**FSL Clean Agent** gaseous extinguishing systems use FK5112 fire protection fluid at 25 or 42 bar. FSL's clean agent's are fully approved, audited and compliant to internationally recognised standards. They are engineered to optimise the unique flow characteristics of the agent(s) used. Flow calculation software from VdS for reliable system design.

Rapid total flood gaseous fire extinguishing with a short discharge time of 10 seconds.

Cylinders TPED certified and available in 15, 30, 50, 80, 120, 150 & 180L sizing.

Valves feature dual pressure gauge ports, allowing multiple orientation for ease of installation.

Cylinder assembly can be configured for manifold or modular installation (multi way protection and single area).

FSL remains an **'Approved 3M OEM for Novec 1230 fire protection fluid'** However, 3M will cease the manufacture of this agent from December 31st 2024. From this point FSL will continue to provide approved and tested FK5112 fire protection fluid at the same high quality and exact specification of the extinguishing standard.

'On market' recycled HFC227ea is also available.

| Approvals              | LPCB | A2P | VdS | UL | FM | CPR (CE) | CPR (UKCA) | TPED (0029) | ATEX (on request) |
|------------------------|------|-----|-----|----|----|----------|------------|-------------|-------------------|
| FK5112 System          | ✓    | -   | -   | -  | -  | ✓        | ✓          | ✓           | -                 |
| Novec 1230 System      | ✓    | -   | -   | -  | -  | ✓        | ✓          | ✓           | -                 |
| HFC227ea System        | ✓    | -   | -   | -  | -  | ✓        | ✓          | ✓           | -                 |
| Clean Agent Components | ✓    | ✓   | ✓   | ✓  | ✓  | ✓        | ✓          | ✓           | ✓                 |



**FSL CO2 (Carbon Dioxide)** active fire protection systems save lives and protect property globally, from the risk of fire.

Local application or total flood extinguishing.

Flow calculation software from VdS for reliable system design.

Proven high quality valve technology.

Multi system actuation components mean that CO2 components are **available from FSL stock**.

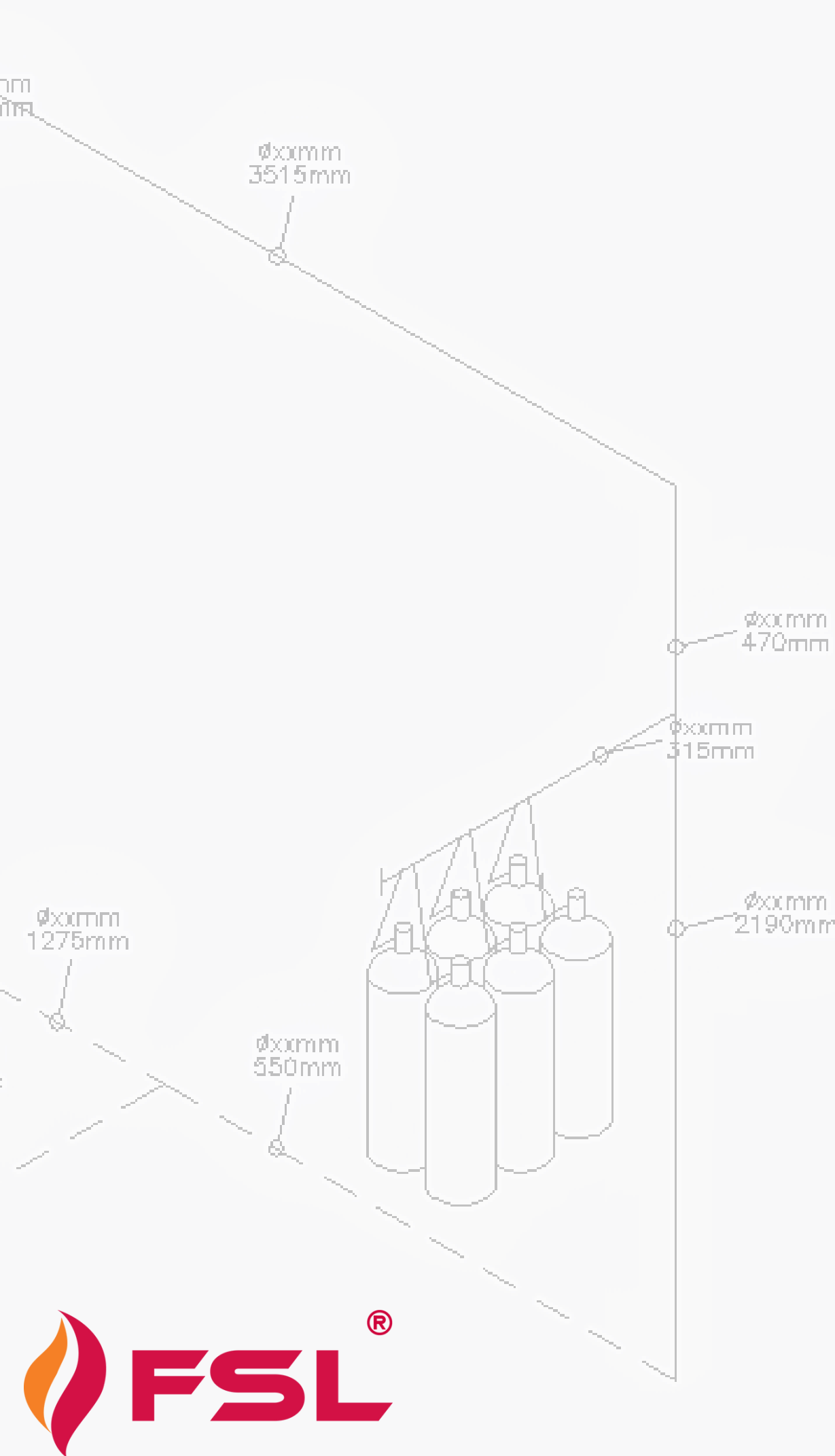
Components approved and compliant to internationally recognised standards.

30+ years of CO2 design experience, driving the most comprehensive cover for your assets and personnel.

FSL CO2 system and component manual currently being reviewed, renewed and updated. The aim is to further supplement the industry leading engineering support, information and clarity, that FSL is internationally known for. **Expected late 2024.**

| Approvals      | LPCB | A2P | VdS | UL | FM | CPR (CE) | CPR (UKCA) | TPED (0029) | ATEX (on request) |
|----------------|------|-----|-----|----|----|----------|------------|-------------|-------------------|
| CO2 System     | –    | –   | –   | –  | –  | ✓        | ✓          | ✓           | –                 |
| CO2 Components | ✓    | ✓   | ✓   | ✓  | ✓  | ✓        | ✓          | ✓           | ✓                 |





At FSL we pride ourselves in offering industry leading technical support. Our engineering team are on hand to assist you in creating bespoke designs to ensure you are offering the safest, most economical solutions to your clients. We have a high quality team, with industry experience of 30+ years. Some of what we can offer can be found below:

- Hydraulic calculations to 200b/300b (Inertech), 25b/42b (Clean Agent) & CO2.
- Producing plan drawings of the protected space and plotting our designs over it so you can co-ordinate with other services. Using 2D CAD.
- Revit files available for Inertech and Clean Agent component catalogue for use in your 3D modelling.
- Pre and post order support with hydraulic calculations or any general technical concerns.
- Site visits at the tender stage or during the build to help find instant solutions.
- Our team can offer systems designed to the preferred local standard (EN, APSAD, NFPA etc) working within the guidelines of the specified product approvals.



# Notable Projects



THE SHARD



BAE SYSTEMS



VERSACE



The British Museum



| Project              | Agent/completion |
|----------------------|------------------|
| Eurotunnel           | Novec (2016)     |
| The Shard            | IG541 (2018)     |
| Vodafone             | IG55 (2019)      |
| Cambridge University | IG55 (2020)      |
| Amazon               | IG55 (2020)      |
| BAE Systems          | IG55 (2021)      |
| Liverpool FC         | IG100 (2021)     |
| Versace              | IG541 (2021)     |
| Samsung              | IG541 (2022)     |
| The British Museum   | IG541 (2022)     |
| Rolls Royce          | IG541 (2022)     |
| 3M                   | Novec (2023)     |
| Heineken             | IG55 (2023)      |
| Ikea                 | IG541 (2023)     |
| INPS                 | Novec (2023)     |
| Huawei               | Novec (2023)     |
| GTR                  | IG100 (2024)     |
| Wimbledon            | IG55 (2024)      |
| Everton FC           | IG541 (2024)     |



# WHAT FSL WILL MEAN TO YOU...

## Experts in logistics...

We have spent years building key partnerships to get into a position to support you globally with delivery of our systems. FSL will control all aspects of any road, sea or air movements and co-ordinate with our trusted freight partners to deliver your goods on time. We also deliver in mainland Britain using our own vehicle (expanding overseas soon) providing us with full control to help with restricted, time critical sites.

## Around the clock...

We have great relationships across the continents. FSL are committed to providing the best customer service to all of our partners even if that falls out of our normal hours. We want you to feel that we are always one call or email away.

## Flexibility, approachable...

We pride ourselves on honest, quick communication and have built long lasting relationships due to our industry leading reaction times. There is no problem too big or too small for any of our team. Our aim is to become the easiest part of your project.

## Reliability...

We have a proven track record of providing high quality, accurate systems that last. Our supply chain gets stronger every day which helps us pass on these benefits to you.





# Connect with us at:

## Email

[sales@firetec-systems.com](mailto:sales@firetec-systems.com)

## Web Site

<https://www.firetec-systems.com/en-gb>

## Call us

+44 (0) 118 989 7910 - United Kingdom

+39 333 470 1234 - Italia

+44 (0) 774 190 9735 - Francophone

**Our Commercial Team**



**Jamie Morris**

Director  
FSL & FSL Italia



**Connor Morris**

Commercial Manager  
FSL



**Domenico Picca**

Commercial Manager/Procurer  
FSL Italia



**Paul Howell**

Business Development Manager  
FSL



**Simon Scott**

External Sales (Francophone)  
FSL



**Irene Bini**

Commercial Operator  
FSL Italia



