

# Extinguishing systems – Offering checklist

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## Customer

Company \_\_\_\_\_

Street \_\_\_\_\_

Department \_\_\_\_\_

ZIP/City \_\_\_\_\_

Phone \_\_\_\_\_

Contact person \_\_\_\_\_

e-Mail \_\_\_\_\_

## Extinguishing systems

Location \_\_\_\_\_

Room type/Fire risk \_\_\_\_\_

Street \_\_\_\_\_

ZIP/City \_\_\_\_\_

### Other extinguishing system existing?

No  Yes

Manufacturer of existing extinguishing system \_\_\_\_\_

Manufacturer of fire panel \_\_\_\_\_ Type \_\_\_\_\_

- |  |  |  |                                      |
|--|--|--|--------------------------------------|
| <input type="checkbox"/> CO <sub>2</sub> | <input type="checkbox"/> IG100 (N <sub>2</sub> ) 200 bar | <input type="checkbox"/> IG55 (50% N <sub>2</sub> , 50% Ar) 200 bar                        | <input type="checkbox"/> Regulated   |
| <input type="checkbox"/> Novec 1230      | <input type="checkbox"/> IG100 (N <sub>2</sub> ) 300 bar | <input type="checkbox"/> IG55 (50% N <sub>2</sub> , 50% Ar) 300 bar                        | <input type="checkbox"/> Unregulated |
| <input type="checkbox"/> HFC227          | <input type="checkbox"/> IG01 (Ar) 200 bar               | <input type="checkbox"/> IG541 (50% N <sub>2</sub> , 50% Ar) 300 bar                       |                                      |
|  | <input type="checkbox"/> IG01 (Ar) 300 bar               | <input type="checkbox"/> IG541 (50% N <sub>2</sub> , 40% Ar, 10% CO <sub>2</sub> ) 200 bar | <input type="checkbox"/> _____       |

Way of activation  By fire panel (according standards)  By interface (e.g. Simatic, PLC)

### Type of planned extinguishing system

- Single zone system  Multi-zone system \_\_\_\_\_ zones
- New installation  System extension/reconstruction

### Safety objective

- Room  Object
- Cable duct  Explosion area

**Planning standard**

		Yes	No
<input type="checkbox"/> ISO	Inst. approval	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> EN	Inst. approval	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> VdS	Inst. approval	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> NFPA	Inst. approval	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other _____	Inst. approval	<input type="checkbox"/>	<input type="checkbox"/>

**Type of extinguishing control panel**

XC10     X100     Sinteso     Cerberus PRO     Others \_\_\_\_\_

Alarm remote transmission system     Yes     No

**Description**

**Fire risk**

- IT and server room       Switching room       Transformer       Turbine       Oil pool
- Telecommunication system     Archive       Cable ducts       Tool machine
- Storage      Stored material  
(e.g. liquids, paper,..) \_\_\_\_\_
- Kind of storage \_\_\_\_\_
- Others \_\_\_\_\_

**Object**

Sketch and abstract

Floor level \_\_\_\_\_ Goods elevator for material transport?     Yes     No

Temperature from \_\_\_\_\_ to \_\_\_\_\_ °C

Pressure resistance of room/doors \_\_\_\_\_ mbar

If >1 mbar confirmation of structural engineer needed

**Type of planned extinguishing system**

- |  |  |  |                                      |
|--|--|--|--------------------------------------|
| <input type="checkbox"/> CO <sub>2</sub> | <input type="checkbox"/> IG100 (N <sub>2</sub> ) 200 bar | <input type="checkbox"/> IG55 (50% N <sub>2</sub> , 50% Ar) 200 bar                        | <input type="checkbox"/> Regulated   |
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**Activation**

- Automatic   
  Manual   
  Control panel   
  Fire panel  
 Other \_\_\_\_\_

**Air-condition**

- Yes     No

Can be switched off     Yes     No

In case of non-detachable inlet air systems

Volume flow rate \_\_\_\_\_ m<sup>3</sup>/h

Inlet air source \_\_\_\_\_

Air duct \_\_\_\_\_

Necessary fire controls by extinguishing system

(e.g. machine stop, ventilation flaps) \_\_\_\_\_

**Room**

Total room volume (H x W x L) \_\_\_\_\_ m<sup>3</sup>

Type of walls \_\_\_\_\_

Number of openable windows \_\_\_\_\_

Number of outward opening doors \_\_\_\_\_

Type of false ceiling \_\_\_\_\_

Volume of deductable building parts (H x W x L) \_\_\_\_\_ m<sup>3</sup>

Room fire resistant     No     Yes    Fire rate \_\_\_\_\_

**False floor**

Total false floor volume (H x W x L) \_\_\_\_\_ m<sup>3</sup>

To be flooded     Yes     No

Maximum load \_\_\_\_\_ kg/m<sup>2</sup>

Material fire resistant     Yes     No

Volume of deductable building parts (H x W x L) \_\_\_\_\_ m<sup>3</sup>

**False ceiling**

Total false ceiling volume (H x W x L) \_\_\_\_\_ m<sup>3</sup>

To be flooded     Yes     No

Type \_\_\_\_\_

Material fire resistant     Yes     No

Volume of deductable building parts (H x W x L) \_\_\_\_\_ m<sup>3</sup>


**Non closable openings**

Type of openings \_\_\_\_\_

Surface of all openings \_\_\_\_\_ m<sup>2</sup>

**Location**

Sketch



**Door release**

Unrequested     Requested     On site already     Electric     Pneumatic

All doors must open outwards

All doors must be equipped with door closer and panic exit device

- Pressure release directly to the outside
- Pressure release with promat channel
- Network connection at control panel available
- CAD-plans available

**Agent cylinder storage room**

**Location**

Sketch of battery assembly

Floor level \_\_\_\_\_ Goods elevator for material transport?  Yes  No

Room enclosure, fire resistant  Yes  No

Type of walls \_\_\_\_\_

Room equipment	Yes	No
Lightning	<input type="checkbox"/>	<input type="checkbox"/>
No. of doors _____	<input type="checkbox"/>	<input type="checkbox"/>
No. of windows _____	<input type="checkbox"/>	<input type="checkbox"/>
Venting	<input type="checkbox"/>	<input type="checkbox"/>
Frost-protected	<input type="checkbox"/>	<input type="checkbox"/>
Separation	<input type="checkbox"/>	<input type="checkbox"/>

Floor load \_\_\_\_\_ kg/m<sup>2</sup>

**Stand-by cylinder bank**

No  Yes  Optional

**Multi-zone configuration**

Number of cylinders (result of quick tool calculation)

Zone #1 \_\_\_\_\_ Zone #2 \_\_\_\_\_ Zone #3 \_\_\_\_\_  
 Zone #4 \_\_\_\_\_ Zone #5 \_\_\_\_\_

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.