

BECAUSE WE BELIEVE IN THE VALUE  
OF PROTECTION TO FIT YOUR SPECIFIC NEEDS

THE MOST ADVANCED SECURITY SYSTEMS  
FACING THE MOST DELICATE RISKS



**W-FOG System**  
For the Protection of

**HOTELS**



Fire fighting in hotels and other temporary stay services are focused on the protection of those present, whether they are in unfamiliar surroundings, as well as the existing staff.

This can lead to dangerous situations due to fire and the evacuation itself. Events, meetings and conferences, as well as can offer cafeteria services, catering to people outside the main use: gym, media room / internet and general leisure for guests.

Therefore, they are particularly vulnerable to fires and the installations are both highly variable in type and size.

The origins of these are usually located in:

- *Rooms*
- *Kitchens*
- *Restaurants and cafeterias*
- *Meeting rooms, clubs, etc.*
- *Hallways*
- *Laundry rooms*
- *Generators and transformers*
- *Equipment and facilities rooms*
- *Common areas*

*And, to a lesser extent, waste facilities, parking, etc.*

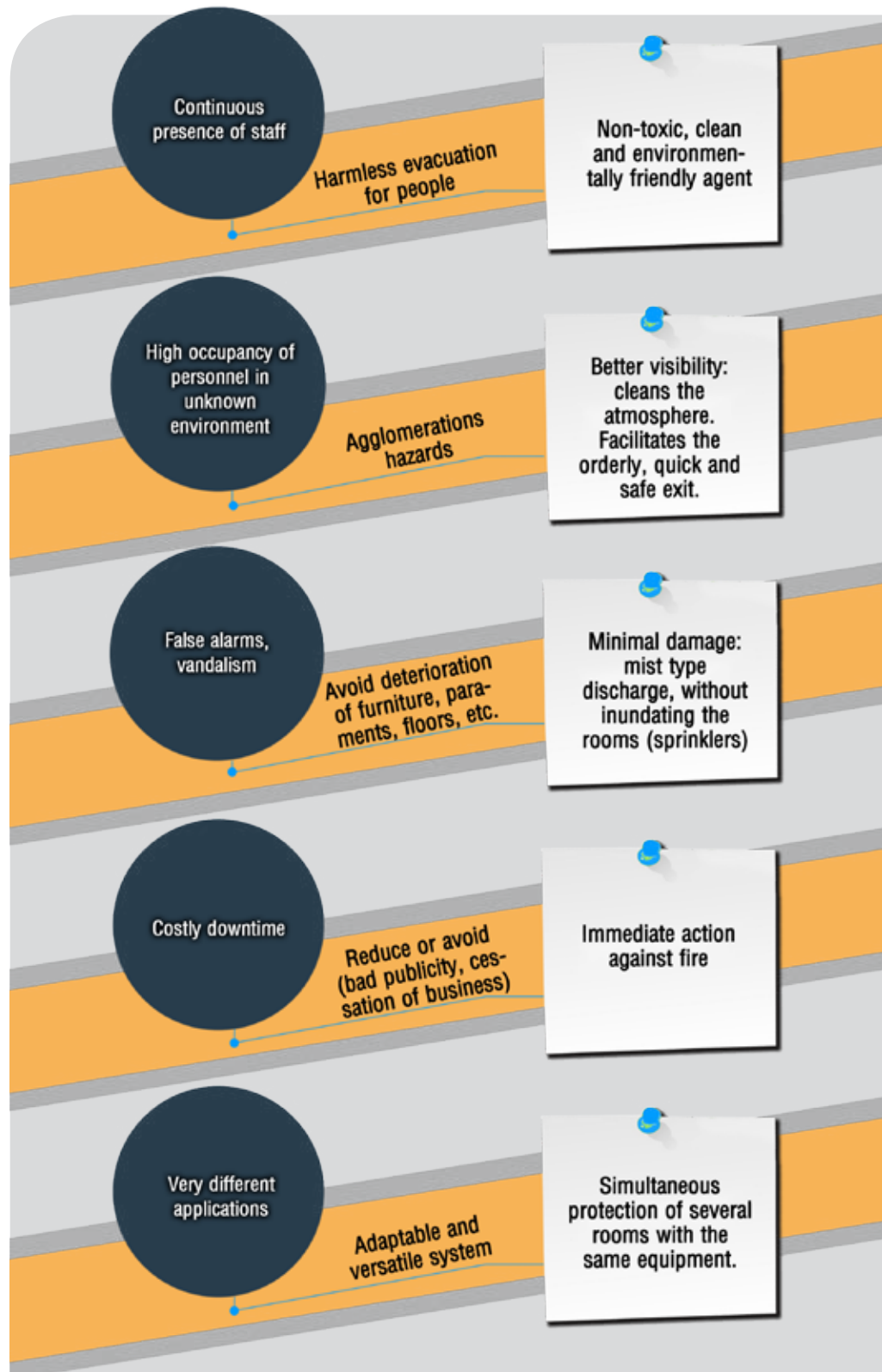




## WHY HIRE RG W-FOG IN HOTELS

*It is essential to ensure safety in the common areas and evacuation routes.*

*The high pressure that the RG W-FOG system uses exceeds long distances and different floors without significant losses, resulting in a guarantee of discrete and continuous protection throughout the hotel.*



## CAUSES OF FIRES IN HOTELS



In these areas numerous potential sources of fire are located, highlighting the following:

**USERS:** carelessness, negligence and vandalism

**DESIGN:** high fire load due to the finishes, decoration, abundance of textiles, etc. used.

**MAINTENANCE:** accumulation of dust, combustible materials or waste. Inadequate maintenance or cleaning.

### **ELECTRICAL INSTALLATIONS:**

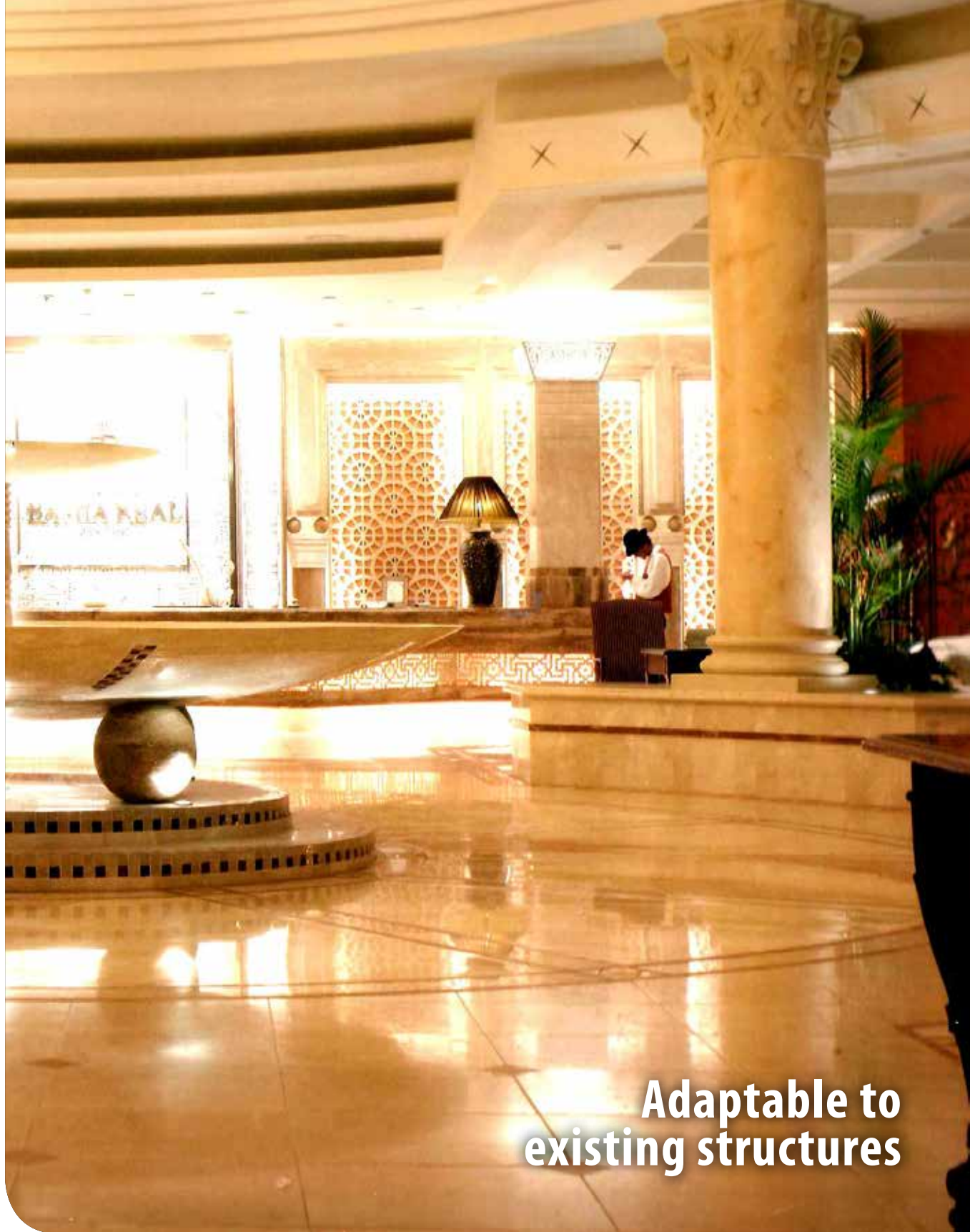
sparks, short circuits, defects and overloads

The risks of these uses are diverse and separated from each other, not offering equal protection for a room as a hallway, kitchen or utility room.

**The RG W-FOG water mists system enables the compartmentalization by floors without flooding the premises, with maximum safety for the occupants present.**

**The massive heat absorption capacity of the water mist, combined with the high pressure discharge allows the droplets to be dispersed quickly and evenly, reaching the source of the fire.**





**Adaptable to  
existing structures**

**Limits the spread by  
reducing the release of  
heat and lowering the  
temperature.**

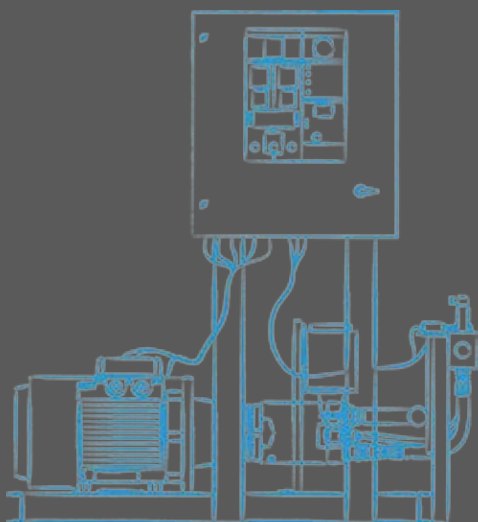
**The spread is controlled  
by cooling the  
surrounding area and  
producing steam  
(inerting local effect).**

**It facilitates evacuation,  
by binding and dragging  
floating particles, soluble  
or not, which reduce  
visibility.**



*The RG W-FOG System equipment is tailored to the needs of each campus. A single pumping unit can simultaneously cover numerous and distant rooms, reducing costs.*

*The valves are key in the hospitality industry, by simplifying the implementation and reducing costs and maintenance:*



## COMPONENTS

### **Cylinder Battery:**

Composed of water bottles propelled with nitrogen.

### **Pumping Units + Deposits:**

- RG W-FOG UAP electric
- RG W-FOG UAPD diesel
- mixed, with diesel and electric pumps

### **Control Valves:**

The agent is directed to the sector in question, without affecting the rest.

### **Shutoff Valves:**

Easy maintenance while blocking its discharge due to an accident or vandalism.

### **Safety Valves:**

To relieve the overpressure in the installation, keeping them at safe amounts.

### **Section Valves:**

Detect the passage of water, signaling in which sector the discharge occurred.

### **Flow Detector:**

Alerts movements of water in the wet pipes.

### **Pressure Switch:**

Indicates electrical contact due to a pressure change in the network

### **Nozzles or spray nozzles:**

RG-Systems has open nozzles for local application as well as closed nozzles with bulb for total flooding.

### **Direct Tees:**

Allows the nozzles to be attached directly, streamlining the assembly.

### **Distribution Blocks:**

Facilitate the quick and easily installation of branches.

# BENEFITS FOR EVERYONE

RG-Systems has specific homologations that certify their suitability for such risks.

## FOR PROPERTY:

- **LOWER COSTS:** for its lower water consumption (up to -90%) and quicker and more efficient action
- **DAMAGE CONTROL:** doesn't permit fire to grow or spread. Doesn't produce massive flooding (sprinklers)
- **LOW IMPACT:** installation is reduced (equipment and piping). By dissipating with ventilation, it minimizes cleaning and down-time

## FOR THE USER:

- **TOTAL SECURITY:** evacuation occurs in the best conditions, by clarifying the air without reducing the oxygen.
- **RAPID ACTION:** reduces the risk to occupants and their exposure to hazards.
- **HARMLESS:** it's a safe, environmentally friendly, clean and totally adequate agent.

## FOR THE INSTALLER:

- **MANAGEABLE:** the pipe is of smaller diameter and weight.
- **The maintenance is minimal.**
- **SPEED:** direct accessories and fittings (tees, blocks, elbows, reducers) allow quick installation and/or prefabrication
- The agent is **easily acquired**, with wide availability and comprehensive RG-Systems technical support.



COMMITMENT





# INTEGRAL PROTECTION IN HOTELS

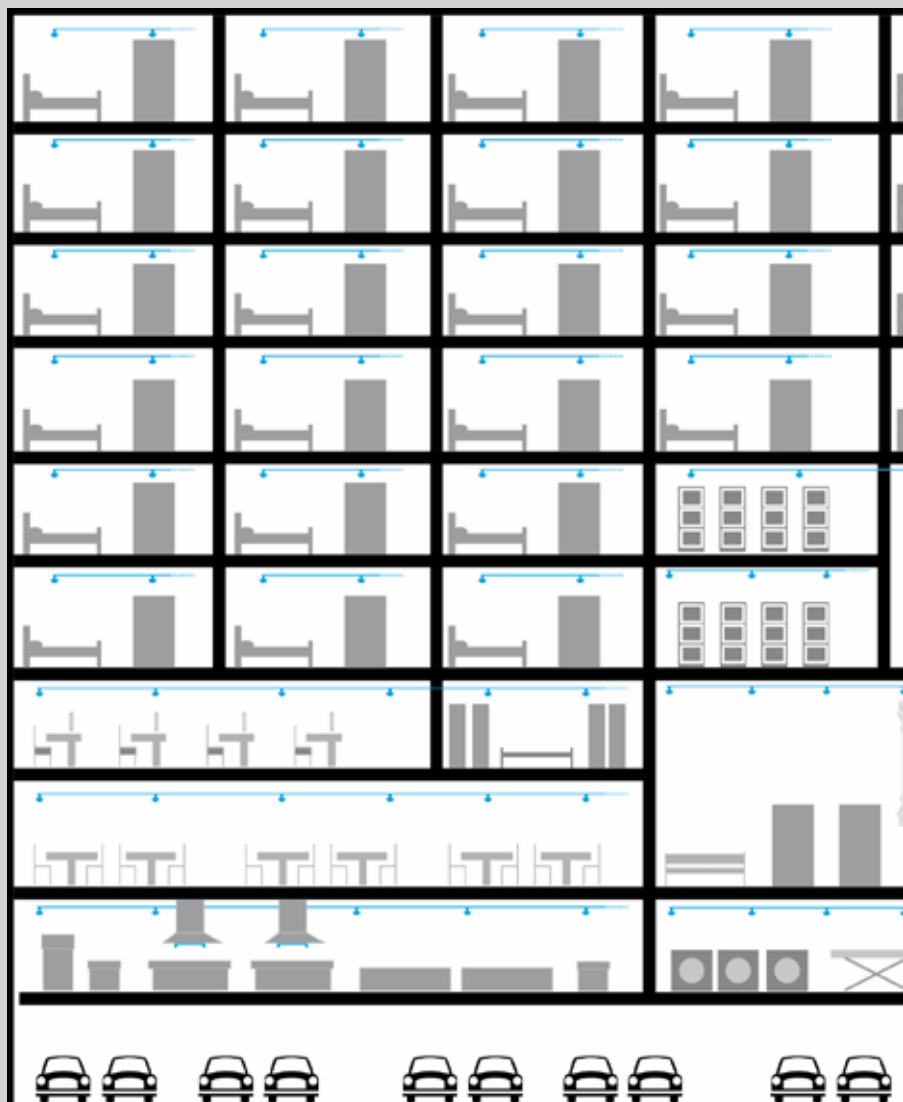
***The use of water mist installations fire protection is suitable for HOTELS, thanks to the full protection provided in all applications that encompass these buildings.***

## **EQUIPPED FIRE HYDRANTS:**

*Occupant safety is key for hotel facilities, which is why high performance manual means-with additional warranty protection to personnel-is particularly suitable. The water mist REEL RG-Systems feature a special design to optimize the fire fighting action while protecting both the operator and staff during the evacuation.*

*The hose is easily operated even by personnel without prior training, and provides substantial protection to the operator due to the blocking effect of heat and particles, while directing most of the flow directly towards the source.*

The facility consists of a pump sized for the most unfavorable hazard. Control valves are then positioned to direct the agent to each area to be protected. Thus, rooms, corridors, public spaces, dining rooms, kitchens, laundries, transformers or cleaning rooms, security, offices, etc. will be equally protected.





**IMMEDIATE  
discharge over the  
affected area:**

You do not need  
sealing, so there is no  
waiting for  
closing the area.

**SAFE deployment  
for people:** the par-  
ticle dragging effect  
facilitates necessary to  
wait for evacuation

**Lower loss of proper-  
ty, equipment, and  
occupants:** quick  
action, prevents  
vision, so it's not that  
the source grows



***A SINGLE SYSTEM  
PROTECTS THE  
WHOLE BUILDING.***

***THE SYSTEM USES  
SMALL DIAMETERS  
DUE TO THE HIGH  
EFFECTIVENESS OF  
THE MIST.***

***COVERS ANY  
HOTEL HAZARD  
WITHOUT  
MULTIPLYING THE  
COSTS.***

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**THINK  
GREEN**