



Alioth®

Smart Evacuation System

The Adaptive Evacuation Management
System for Optimal Safety.

Your Safety, Our Priority



INTELLIGENT



CONTROL



ADAPTIVE



WIRELESS

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What is Alioth?

ALIOTH is a smart evacuation system which optimizes the evacuation time in an emergency, adapting to the situation evolution using the building information.

The main objective of ALIOTH is the decrease of reaction and evacuation time, acting in real time during an emergency situation.

Safer, quicker evacuation



Interconnectivity



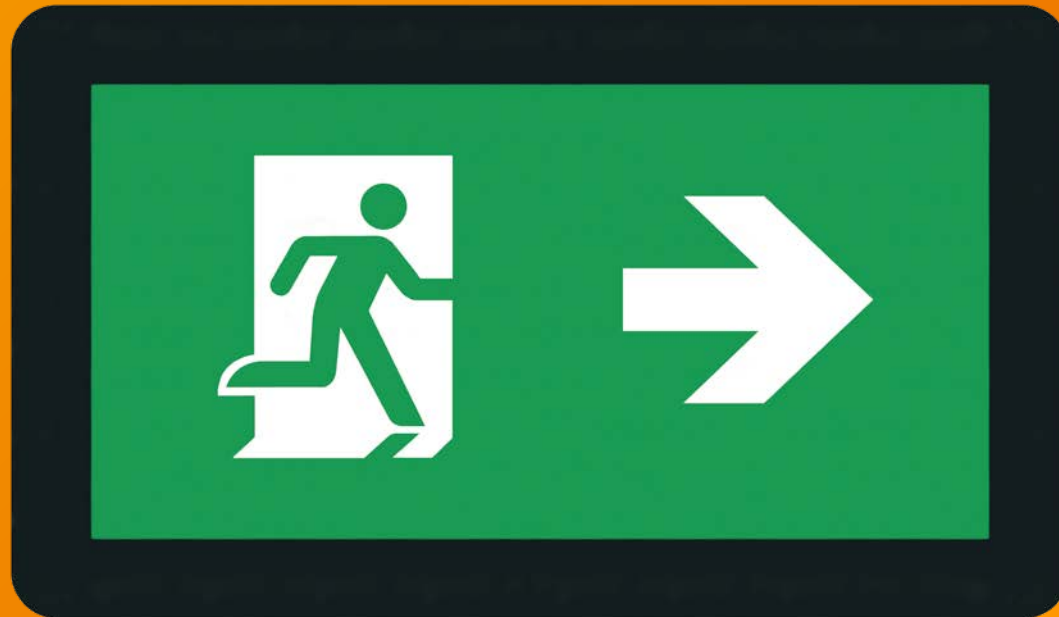
BMS



Fire alarm systems



Security Systems



Are you **sure** it's the
right way?

How does it work?

Verification



Video Surveillance



Human Validation



Emergency Verification

Alioth consists of three parts: a brain, input information and output elements. The intelligent software is the brain, with an adaptive algorithm which evaluates in real time all the input information

Input information comes to the system from different places: data collection from smart sensors, fire protection and alarms control units, video monitoring, BMS (Building Management System), etc

ALIOTH evaluates the risk and decides when there is a real problem to warn the security or actuate independently.

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What if the danger
were there?

Signaling and Evacuation Guidance



Adaptive Intelligent Signaling



ALIOTH APP

Evacuation Warning · Evacuation Route
using Indoor Positioning System



Acoustic signalling

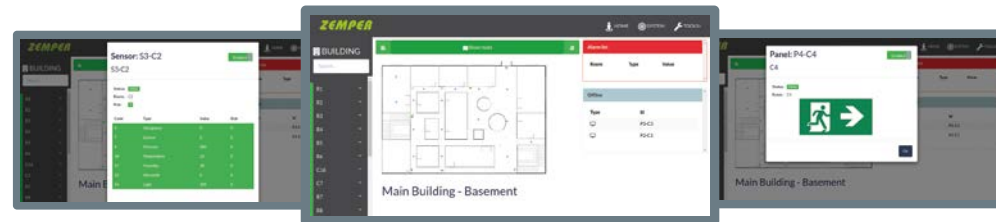


Help Blind People

Smart Evacuation System

Evacuation Management Software with Intelligent Algorithm

Real Time Evaluation
of Evacuation Routes Status



- Installation drawings with evacuation routes and components location (multisensors, adaptive exit signs, extinguishers, etc.)
- Real time risk identification and location on the drawings
- Monitoring of system components status (adaptive exit signs, fire protection groups, multisensors, etc.)
- Real time evacuation routes updating

Data Acquisition

Monitoring of Evacuation Routes Data Parameters



Pressure



Temperature



Humidity



Light



Motion Sensor



Carbon Monoxide

Fire Protection Groups Control



Video Monitoring



Tailored solutions to solve customer needs.





Who
can notify?

Size options for adaptive evacuation luminaire:

Evacuation brightness: 500 Cd/m²



Viewing Distance



Viewing Distance

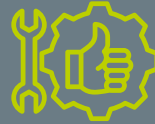


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Reduction of Carbon Footprint



Dimmable brightness on luminaries to reduce power consumption.



Reduction of installation and maintenance foot print. The simple and fast installation, commissioning and maintenance ensure less people are required on site, lower energy consumption and less transport pollution.



Eliminating the need for additional devices or cables helps conserve natural resources by reducing material consumption and minimising waste at the end of their lifecycle.



Reports are easy to understand and share, no need for printing.



The housing of Alioth control unit is made of aluminium. 100% recyclable.



Ecodesign and energy consumption are always in our R&D team's minds. Alioth control unit has been designed as small and compact as possible.



Alioth product identification has been printed using a laser on the control unit itself to avoid paper or plastic stickers.



100% recycled and recyclable packing.



Alioth makes your building safer, saving lives in case of an emergency, creating a better world. Corporate Social Responsibility is also a big pillar of our Sustainability commitment with society.



Entirely designed and
manufactured in Spain



**The Zemper Way
to a Better World**

ZEMPER
THE EMERGENCY LIGHTING SPECIALIST

Avda. de la Ciencia, 3 · Pol. Industrial Avanzado 13005 Ciudad Real (Spain)
Tel. +34 902 11 11 97 · Fax +34 902 22 22 97 export@zemper.com

www.zemper.com

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