

## We take customer proximity literally!

Each of our eight branches has all the departments required to implement your safety concepts – including sales, planning, installation and customer services.

CALANBAU prides itself on being an excellent partner, ensuring close cooperation, reliability and top performance. We have already won over a large number of companies.

We're sure that you too will be impressed!

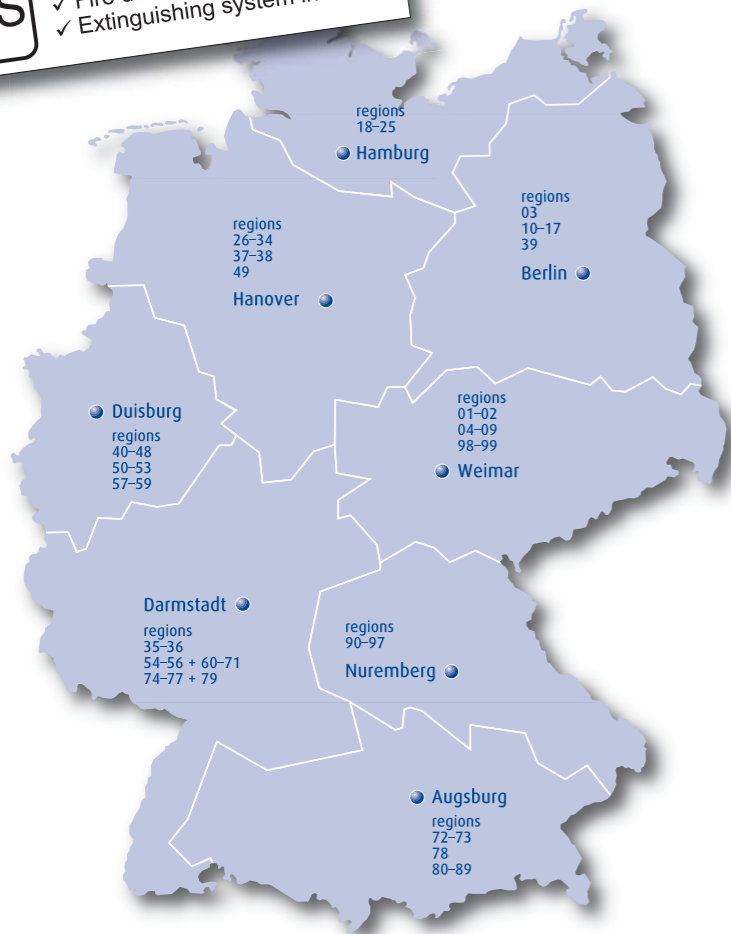


**CALANBAU**  
Fire Protection Solutions



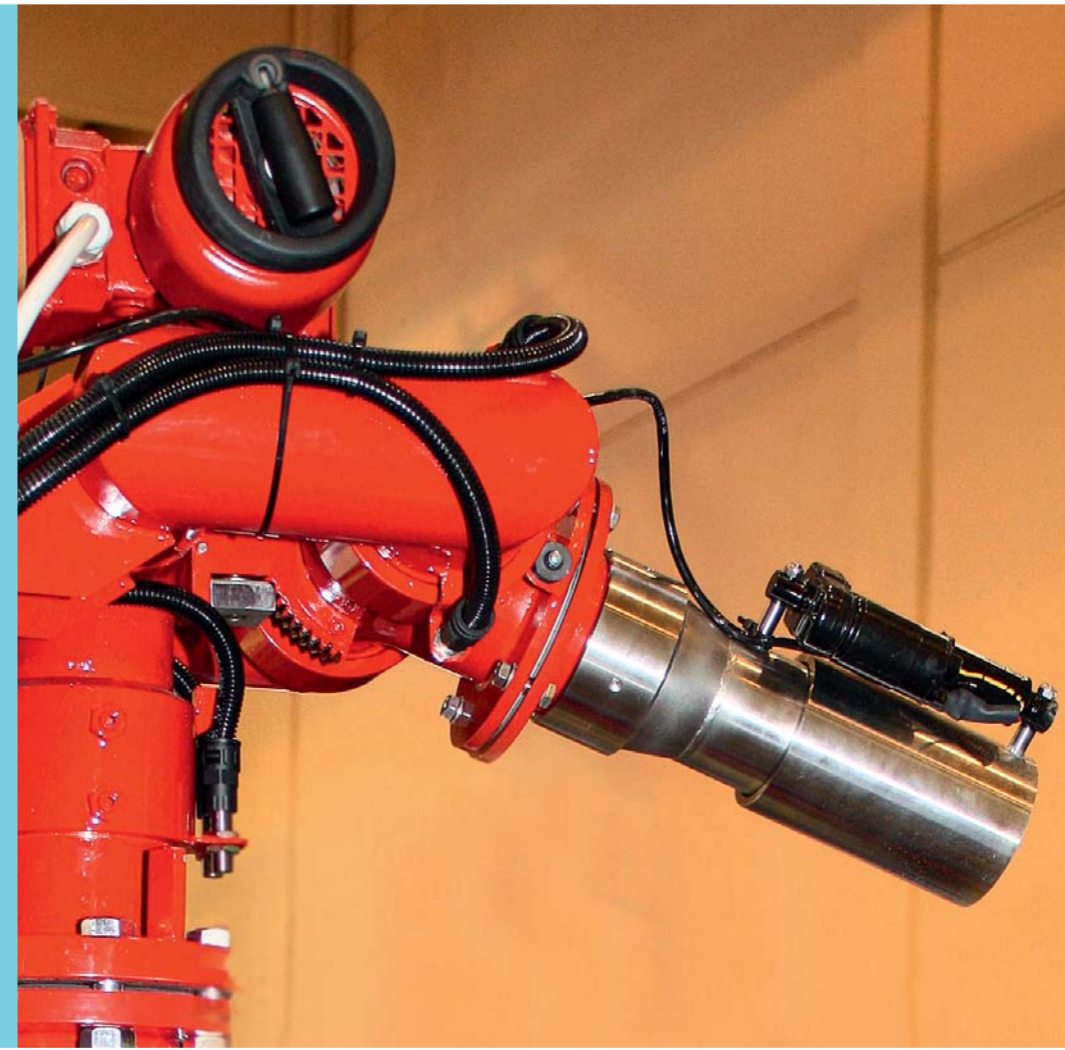
**CALANBAU**  
Fire Protection Solutions

**VdS**  
✓ ISO 9001  
✓ Fire detection system installer  
✓ Extinguishing system installer



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**24-hours  
Service | Emergency**



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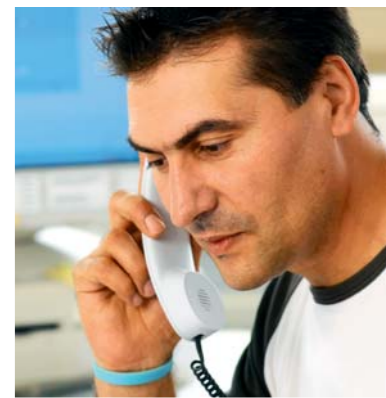
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Solutions you can rely on – for a fast response.

**Greater safety with a fire  
monitor extinguishing system  
from Calanbau**



**Reliability** is a top priority for us!



**VdS** ✓ ISO 9001  
✓ Fire detection system installer  
✓ Extinguishing system installer

## Ideal solutions for every need

CALANBAU has over 30 years' experience and is a certified VdS-approved installer of stationary fire protection systems. We ensure top-quality system installation, care and maintenance as a matter of course.

Fire represents a constant threat to life and property. CALANBAU's special extinguishing systems are tailored to specific requirements. CALANBAU fire monitor extinguishing systems provide fire protection at locations such as the following: Airbus equipment, assembly and paint shops (Hamburg); Ecocity waste incineration plant (Bochum); fuel bunker of a biomass-fuelled power station (Hamburg); waste-fuelled power stations in Uddevalla, Borlänge (both Sweden) and Delfzil (Netherlands).

## Applications

CALANBAU fire monitor extinguishing systems have proven fire protection credentials for large installations and facilities thanks to the impressive range of their water cannons. They ensure quick and precise targeting of the seats of fires in dangerous areas such as

- Waste paper stores
- Waste incineration plants
- Aircraft hangars
- Power stations
- Tank farms
- Refineries

## Design and operation of a fire monitor extinguishing system

Fire monitor extinguishing systems get their name from fixed water cannons known as monitors. They are operated manually or electrically using a remote control device. A fire detection system can also activate the monitors automatically.

The monitors enable seats of fires that are difficult to access to be extinguished by appropriately trained personnel (operators, plant/public fire brigade). The relevant setting determines whether they produce an atomised spray or a jet of water. Depending on the type of monitor, their range is between 20 and 120 metres and they distribute between 1,000 and 20,000 litres of extinguishing water per minute at a pressure of 6-10 bar.

## Technical data

24-hours  
Service | Emergency

- Maximum operating pressure: 16 bar
- Horizontal swivel radius: 350 degrees
- Vertical swivel radius: +60 degrees to -90 degrees
- Material: stainless steel
- Coating: primer plus epoxy coating (RAL 3000)
- Ball-bearing swivel joints
- 24 V DC IP65 electric drive
- Limit switch and odometer
- Programmable limit positions
- Water output: 1,000 – 20,000 l/min (depending on the type of monitor)

