

# How do crickets detect danger?

They have evolved small hairs that can detect the air current of a nearby frog opening its mouth.



**Safety. Evolved.**

## Safety-Assist Retrofits

Crane adaptations that detect danger and enable safer operations.

### Fire Suppression System

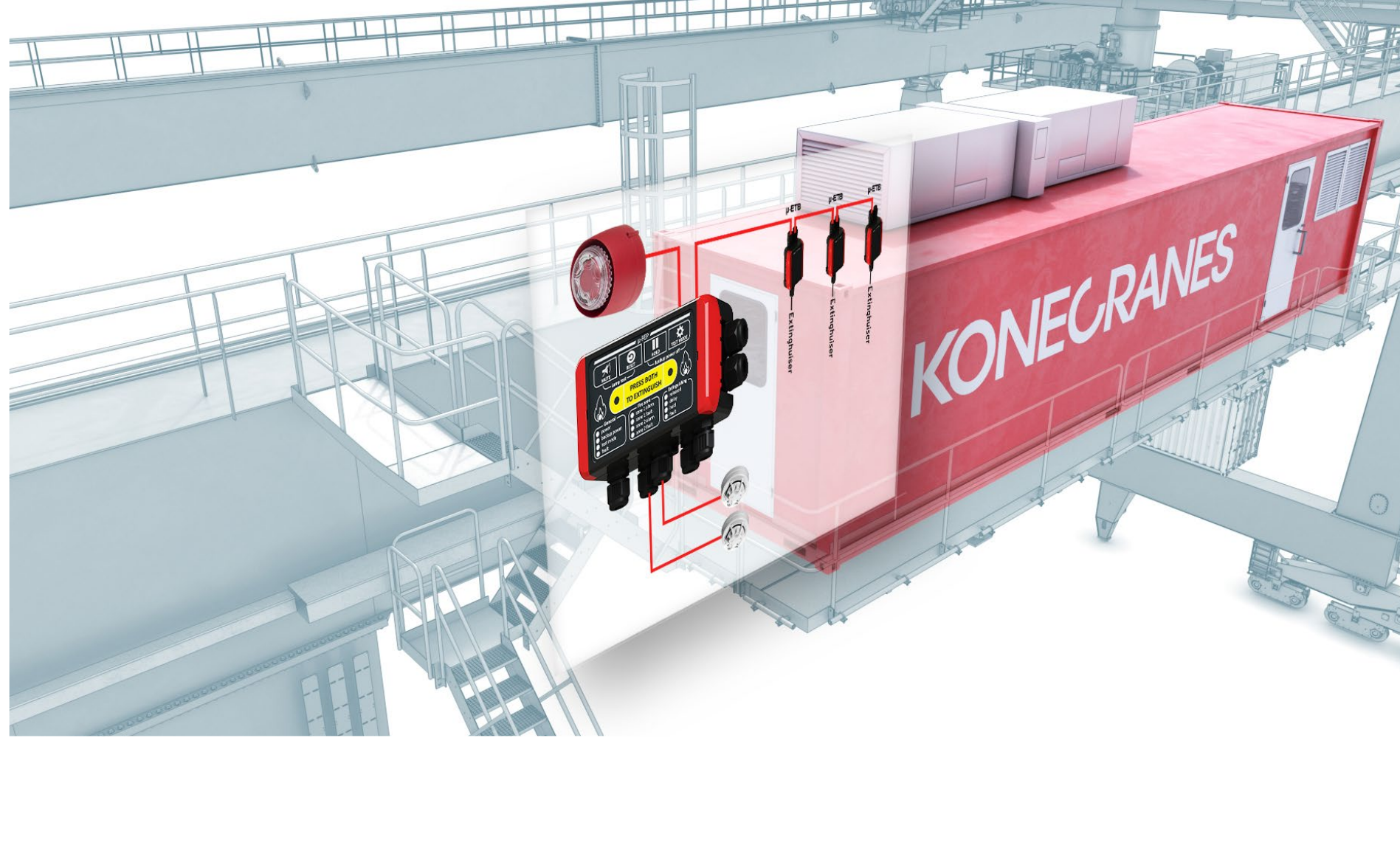
Automatically detect and extinguish critical area fires.

### Adapt and thrive

Konecranes is the premier port services provider to brownfield terminal developments. Our range of retrofit products will enable your fleet to adapt to a fast-changing environment. Welcome to your evolution.

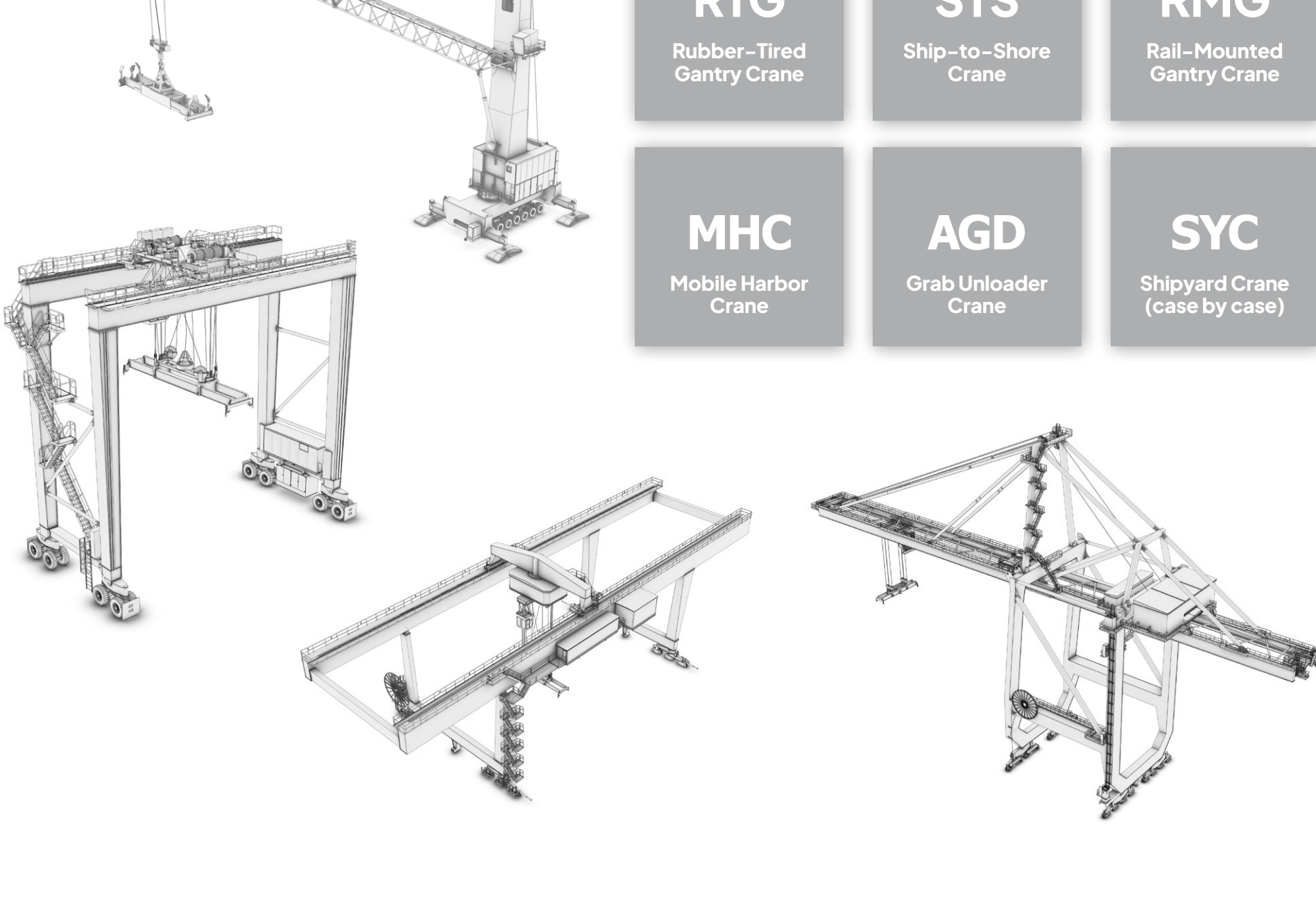
### Benefits

- Designed in co-operation with fire suppression experts and crane experts especially for port equipment
- Aerosol units are not pressurized or toxic
- No expensive pipe work required
- Can be installed inside engine and generator rooms, limiting fire spread
- Fully automatic and autonomous system of activation
- Backup power supply via UPS
- Require far less maintenance compared to other conventional systems
- Aerosol is not harmful to humans or animals



**AB**  
Any Brand

This system can be applied to the following equipment, including other crane brands.



### How it works

**Control:** Depending on equipment type, the system either has a control panel or it is integrated to the crane's control system.

**Detection:** Type of detectors are carefully selected based on the characteristics of the area to be protected. They can be either smoke or heat sensing.

**Alarm:** If a fire is detected, an alarm is given and the crane is shut down. Alarm can be given either through the operator panel or with visual and acoustic alarms.

**Suppression:** Aerosol generators are automatically triggered by the sensors. Upon activation the solid aerosol compound is transformed into a rapidly expanding and non-toxic cloud of fire suppressant. The generators are guaranteed for a serviceable lifetime of 15 years. Fire suppression is accomplished by interrupting the chemical chain reaction of the fire, instead of depletion of oxygen.

### What you need to know

- The system is designed according to your equipment
- Crane need need to be available to installation team at a safe work area on site
- Can be used in places with an ambient temperature ranging from -50°C to +75°C with humidity up to 98%




### Selected References

YEAR	CUSTOMER/LOCATION	QUANTITY
2023	South Pacific International Container terminal   Papua New Guinea	4
2023	ATP Altamire   Mexico	9

### Ports. Evolved.



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