

CoGDEM



The Council of Gas Detection and
Environmental Monitoring

The Benefits of Residential Alarms



1974

CoGDEM Founded

66
Members

60 in the UK & **6** in EU

**Who
We Are**

Manufacturers and service providers in the
field of gas detection and home safety

**What
We Do**

Key role in helping to write product and installation standards as well as Technical Guidance documents. Protecting everything from the smallest bedsit, caravan, boat or tent to larger installations

**24
Hour**

CO helpline in the UK offering advice to consumers and others.



Annual Round Table on Carbon Monoxide in
European Parliament
Lille COntference 04/12/2019

Carbon Monoxide is Potentially Lethal

"The Silent Killer"

You can't see it,
smell it
or taste it

CO Gas produced from incomplete combustion –
Wood, Coal, Gas, etc. occurs in significant quantities during
residential fires due to nature of material being burnt and
frequent low availability of oxygen





- Flue Gas Analysers EN50379
- CO Alarms EN50291
- Smoke Alarms EN14604

Installation and Maintenance Standards

- CO Alarms - EN50292
- FGA Technical Standard TS50612
- Smoke Alarms installation requirements

Denmark
- Bldg. Regs.

Finland
-Bldg. Reg E1

UK
BS5839 Part 6

The Netherlands
- NEN-2555

Norway
- TEK10, Tek 15

Sweden
-NRSA

Ireland
Technical Document B

Germany
DIN14676



**210
million**

EU homes Approximate Number

**109
million**

No of homes in countries
requiring Smoke alarms

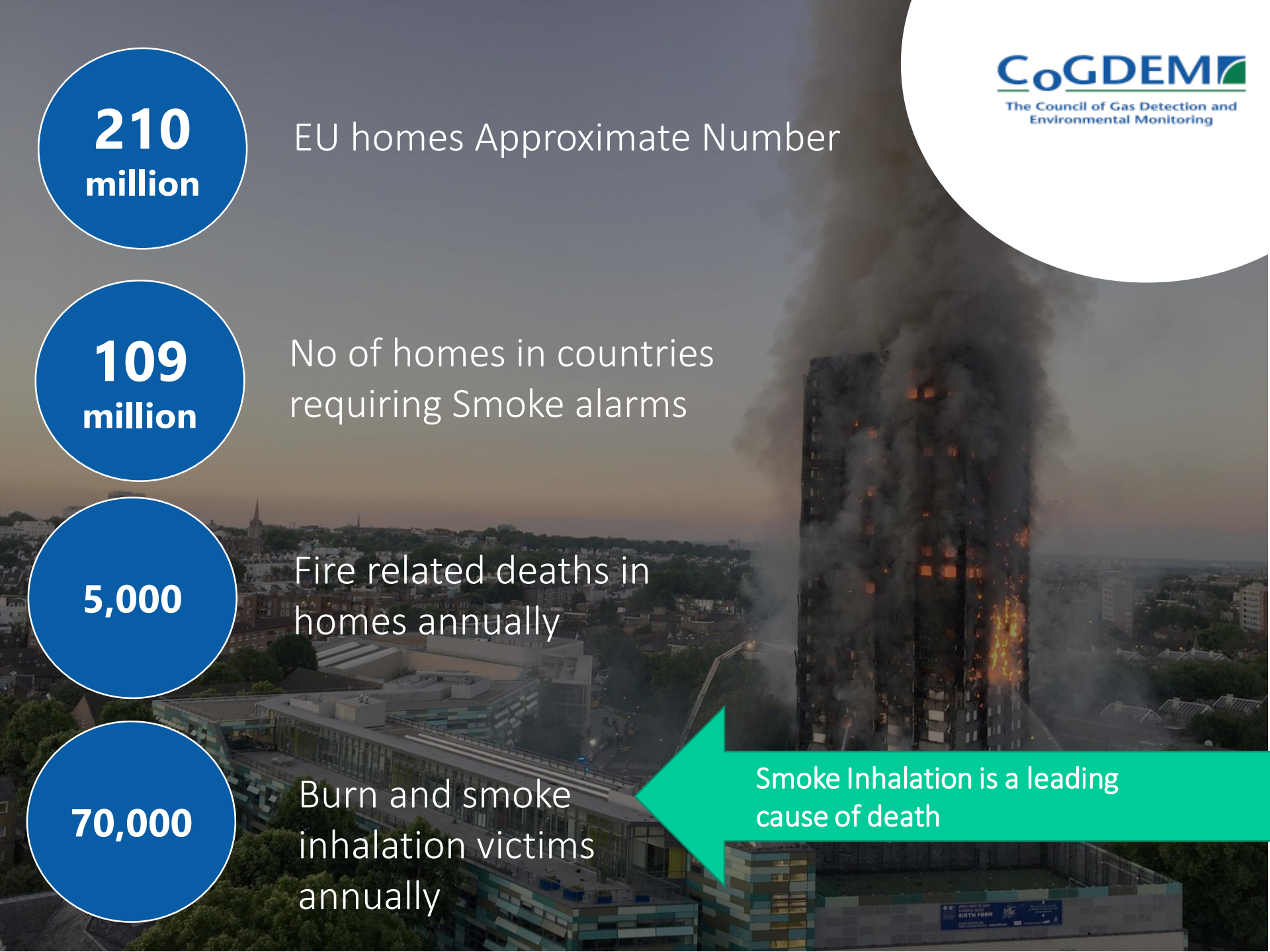
5,000

Fire related deaths in
homes annually

70,000

Burn and smoke
inhalation victims
annually

Smoke Inhalation is a leading
cause of death



Benefits of Residential Alarms

70%

Of Fire related deaths happen at night – no warning when asleep

50%

Increased chance of escape when alarms are installed in the home

50%

Of fire deaths occur in the **10%** of homes without working alarms (UK & USA based data).

The Solution:

Self Contained Smoke Alarm




Sensor

Sounder

Power Supply

The Solution:

Self Contained Smoke Alarm

- Cost effective
- Easy to Install and Maintain
- Typically **10 year** life
- Sounder 85dBA @3M 
 - *Sufficient to wake a sleeper*



Power Supply

Replaceable battery, Sealed in Battery (10 Year), Mains Powered w/battery backup, Powered from Intrusion Alarm

Additional features

Silence/Interconnection/Anti Tamper/Dust Compensation

Modern units are increasingly using combinations of sensors

- Heat /Smoke, Heat/CO, Smoke/CO
- Depending on the risks in the properties in which they are installed



Low Power BEEP

Install Where?



Smoke



CO (Breathing Level)



Heat



Educate, Communicate, Inform

- There is no EU wide communication on Fire Safety
- All Citizens should be aware of the simple preventative measures which should be taken in the home to reduce fire deaths
- Schools, Communities, Workplace



Every Home should have an Alarm

- National Governments should require Smoke Alarms in all homes
- CO Alarms where there are fossil fueled appliances
- Technical Guidance using international best practice is required





Thank You