



A part of Cebon Group

The latest technologies for securing
the property with smoke alarms

Who am I?

- **Filip Sahlberg**
Product Manager with 15 Years of Experience in the safety industry and product development

Areas of Expertise:

- *Fire Safety*
- *Automotive Safety*
- *Camera Surveillance*





 **GPBM** Nordic

A part of Cebon Group

Who are we?

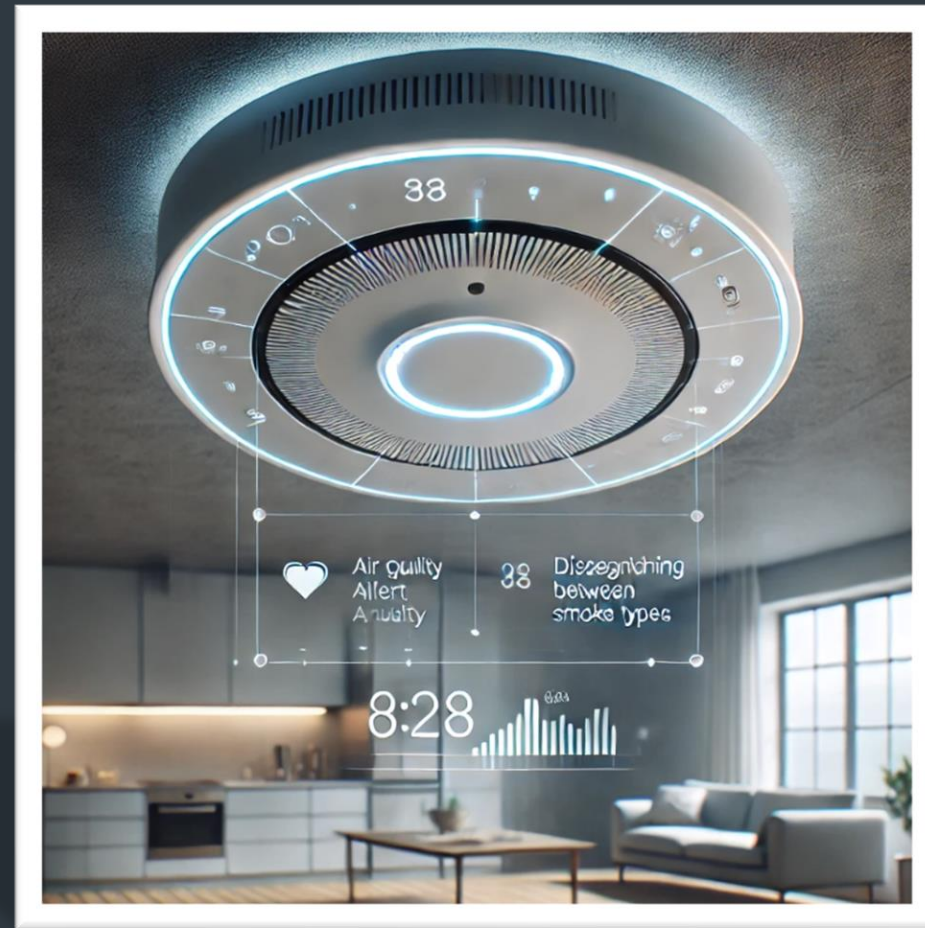
We have developed products within fire safety since 1991.

Today we are a leading hardware supplier of fire protection equipment in the Nordic market.

FireAngel[®]

HOUSEGARD[®]


Future of smoke alarms?



Where is the market with the technology today?

- Power supply  / 230 v

- Communication protocols



- Hybrid network



- Smart home



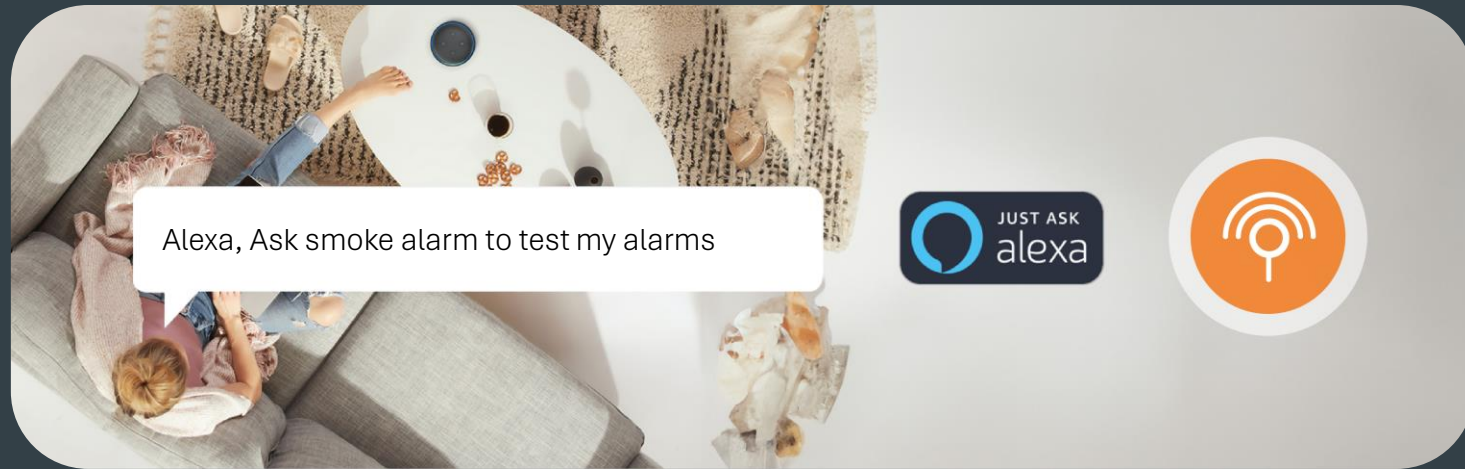
- Combination alarms



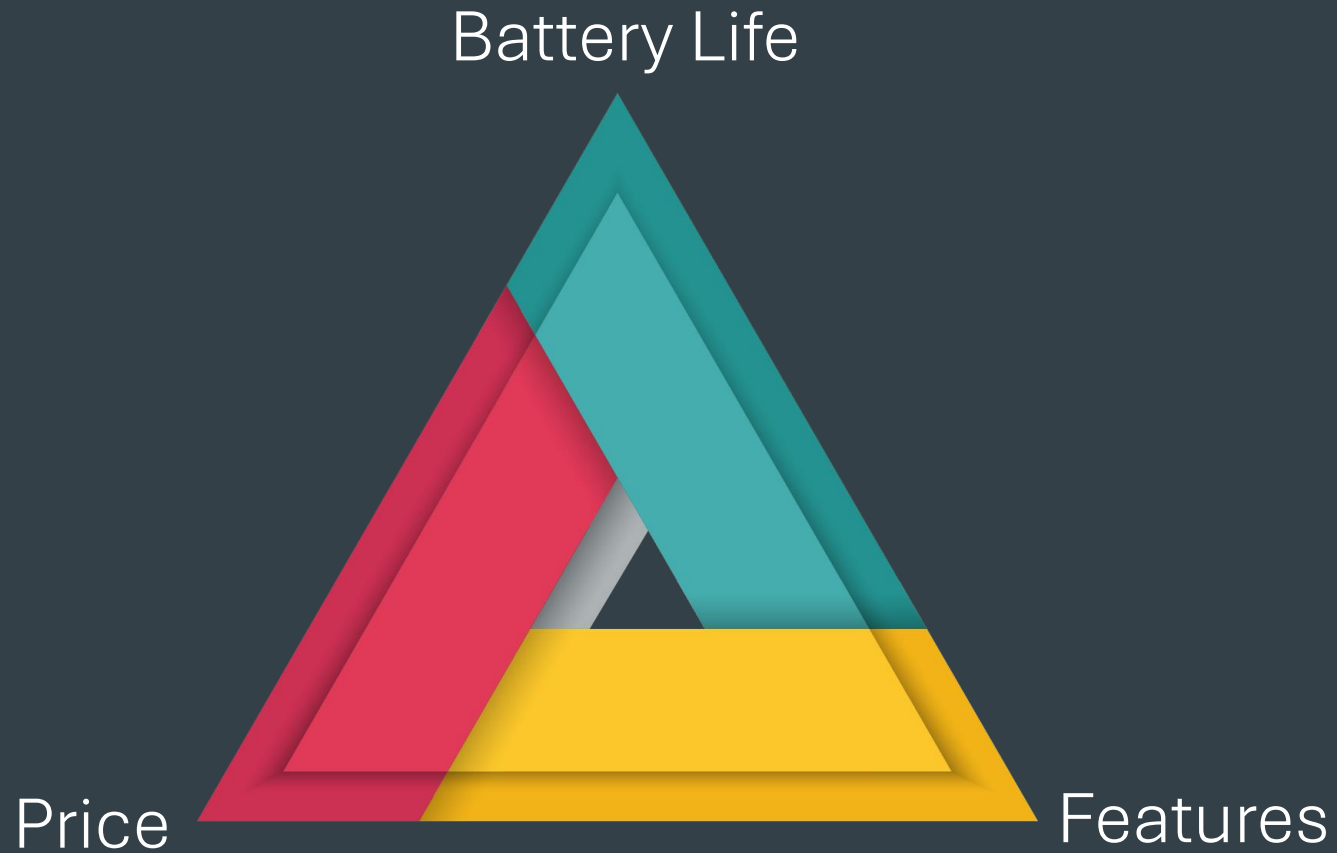
- Voice and visual guidance



The technology is here! But does anyone buy it?



Smoke alarm triangle!



Automotive vs Fire safety

Passive safety

Car

- Air bag
- Seat belt



Smoke alarm

- Smoke Detection with siren and notification
- AC smoke alarm with Backup battery



Active safety

Car

- lane-keeping assist
- automatic emergency braking
- collision warnings
- adaptive cruise control

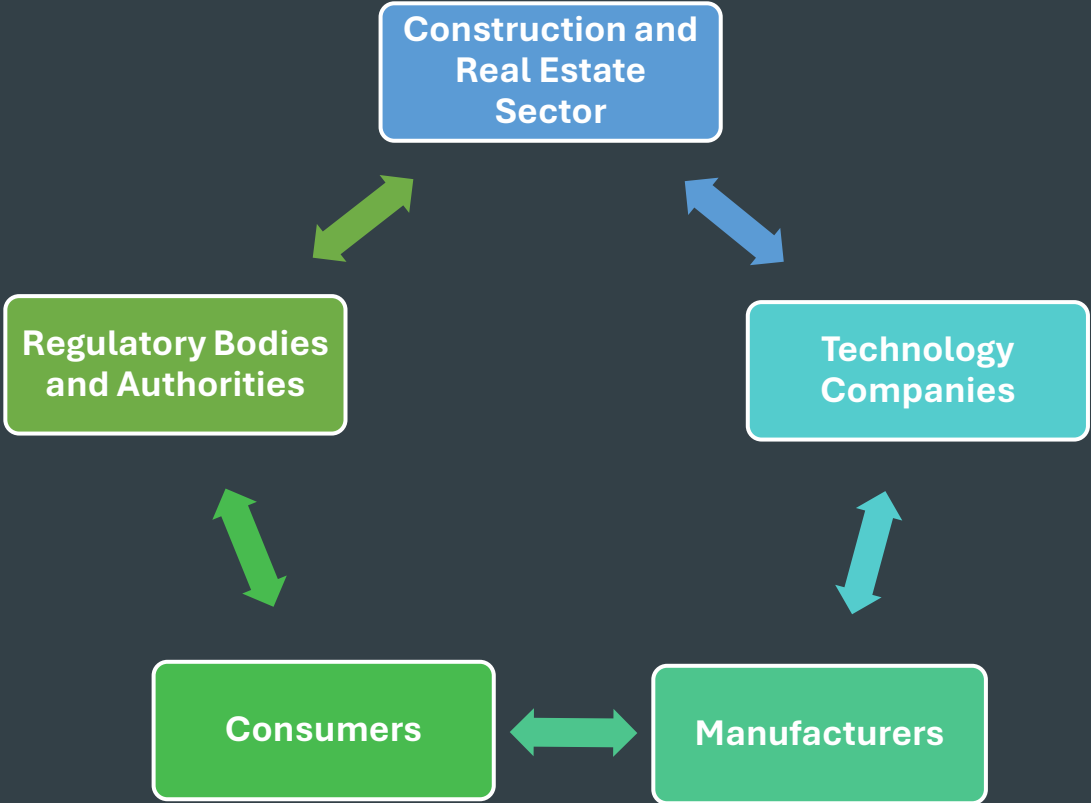


Smoke alarm

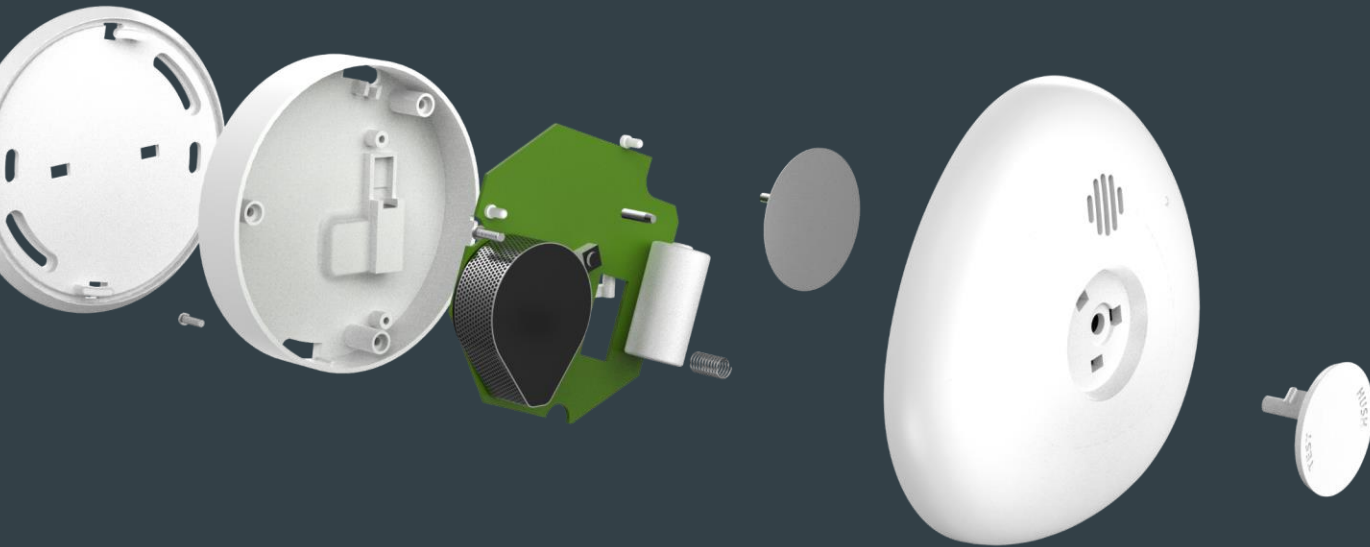
- Automatic self test
- Automatic extinguish with aerosol, mobile sprinkler
- AI- based detection and fire prevention algorithms
- Turn of electricity, gas, ventilation



Who Drives the Development of Smoke Alarms?



Who slows down the Development of Smoke Alarms?



- Consumers - low interest products
- Retailers - Favoring Low Cost Products
- Low cost manufacturers
- Minimum Spec requirement from Construction and Real Estate Sector

Regulatory Trends :



Mandatory interlinked
alarms Scotland



Mandatory AC smoke alarm
Norway, Finland, Denmark, etc.



Mandatory Self-Testing
California and new Q-Label



Sustainability
Sweden

Technology Trends :



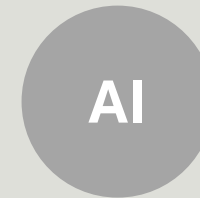
Defined IoT , Smart home, BMS standards



Improved power supply

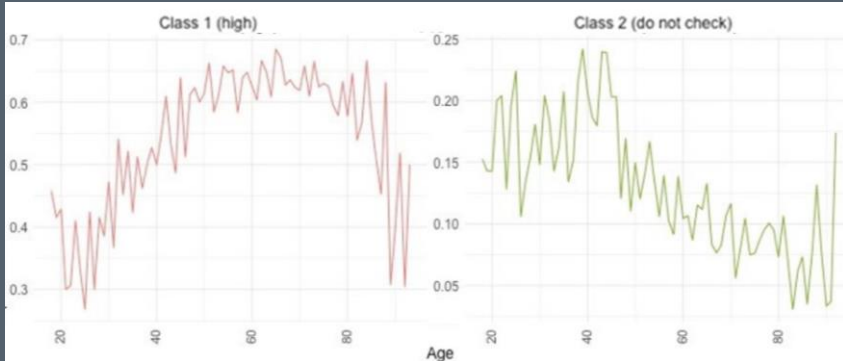


Advance sensor technology



AI and Machine Learning

Challenges in Adopting New Technologies within smoke alarms:



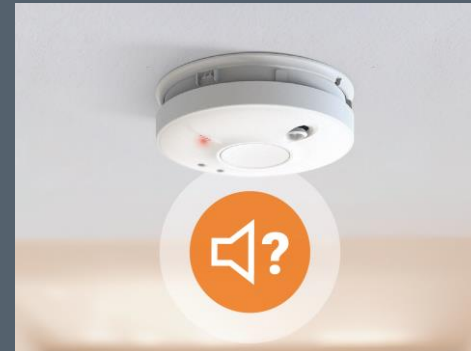
Low interest products



Slow moving business / traditional opinions



Data and Privacy Concerns



Trust in new technology

The Future of Smoke Alarms – What to Expect?

Faster Installation

-Enables quick and efficient setup.

Seamless Connectivity

-Easily connects to the cloud and other smart home devices.

Enhanced Detection

-Uses AI and multi-sensors to reduce false alarms and quicker detection.





**Thanks for
listening!**

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