Evolving Fire Safety towards Holistic Safety

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The Track Record of the Fire Safety Industry

During the past 60+ years:

✓ multiple technical evolutions in the protection of lives and assets
✓ saved possibly more than 500’000 lives and billions EUR/USD losses
✓ new solutions for new infrastructure challenges
✓ build up of resources, skills, competencies and knowledge

The fire safety industry grew and evolved into new areas!
Major Risk Dynamics in 21st Century

The 21st century society needs safety to secure its existence.

Three fundamental aspects to consider:
1. technology advances pose new threats
2. urbanisation, population growth and aging
3. increased complexity of threats

→ magnitude of today’s significantly higher than in the past
Evolving Fire Safety Systems to meet needs

- holistic system based on existing principle of detection, initiation, evaluation, notification and signalisation
- most resilient, available and redundant systems in any building
- extend functions to include other threats
- tie into other building systems
Functional Convergence through Internet of Things
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The Relevant Points

1. The people in the fire safety industry have the expertise and a proven track record for safeguarding lives and property.

2. The 21\textsuperscript{st} century society is confronted with major risk dynamics due to technological advances, urbanisation, growing and aging population, and increasing complexity in the types and sources of dangers.

3. The evolution of fire detection and alarm systems into danger detection and management systems is a logical and needed development.

4. The convergence of systems is a reality for all building technologies including fire safety. The “Internet of Things” outlines the path into a world of connected things, which is a pre-requisite for safe cities.
Call for Action

Setting our sights on a new horizon
- initial workshop with various representatives and stakeholders
- draft an industry document that
  - portrays a vision
  - provides a roadmap with major milestones
- potential set the scene for the next evolution
- basis for fire safety industry and stakeholders to build on

Motivation is in the fact that our efforts make the world a safer place for millions of people!
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