



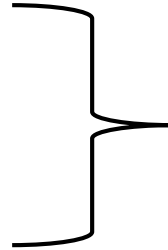
FIRE SAFETY FAILURES IN BUILDINGS

Ing. M.P. (René) de Feijter IAAI-CFI

FIRE SAFETY FAILURES IN BUILDINGS

❑ Fire safety in buildings:

- Constructions
- Installations
- Organisation

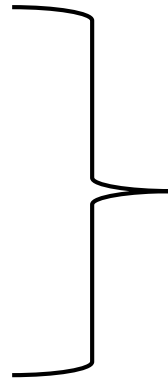


Failing building?

or

❑ Or is it:

- Design
- Build
- Maintain
- Use
- Documentation



Failing people?

FIRE SAFETY FAILURES IN DESIGN

- ❑ Design a large building without automatic suppression:
- ❑ Expect a large fire!



FIRE SAFETY FAILURES IN DESIGN

❑ Or learn and try again



FIRE SAFETY FAILURES DURING THE BUILDING PROCESS

- ❑ 34 people evacuated, 4 killed
- ❑ Fire resistance only existed on the design drawing



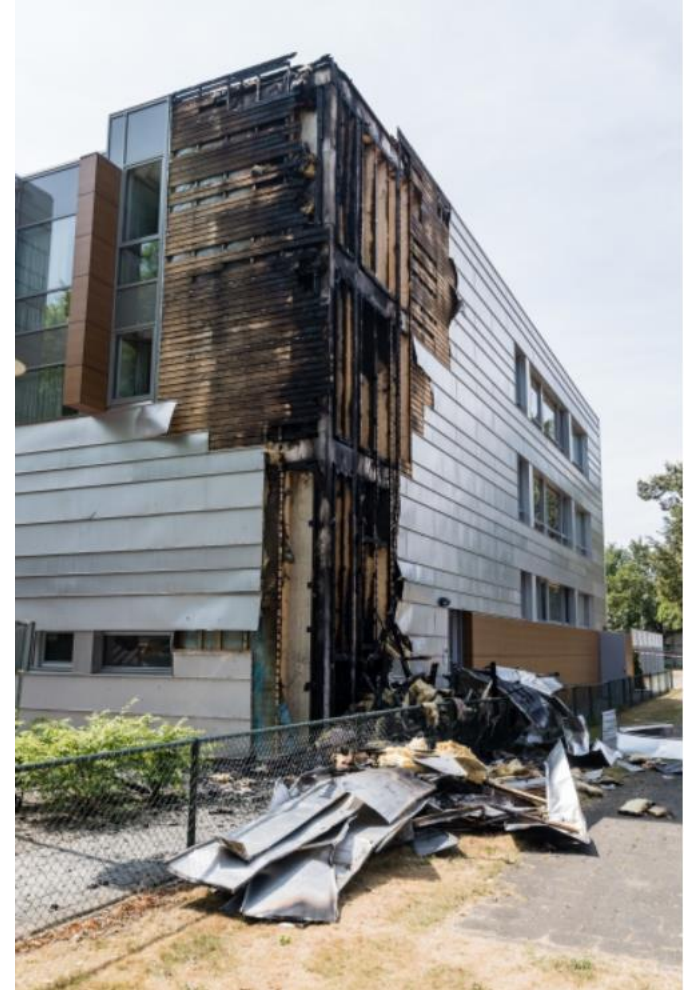
FIRE SAFETY FAILURES DURING THE BUILDING PROCESS

❑ Smoke resistant door in the same building



FIRE SAFETY IN THE BUILDING PROCESS

- ❑ Trust on Expert judgement or on Testing?
- ❑ EN 13501-1 'Test in end use application'
- ❑ Expert judgement: $A2+A1+D \neq B$



FIRE SAFETY FAILURES IN MAINTENANCE

- ❑ Only 3 days after application...



Een beschadiging aan deze voorziening dient direct te worden gemeld en hersteld.

Sparing nr:	Datum:	
61	6-4-18	
	Naam:	BRW:
	1520	



FIRE SAFETY FAILURES IN MAINTENANCE

❑ When you design, build and maintain it well:



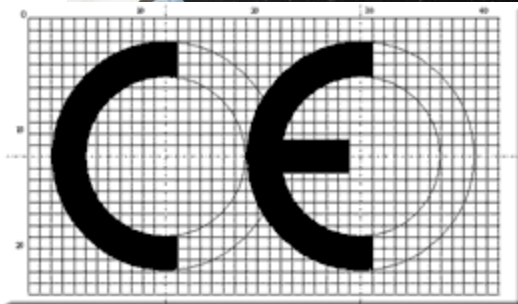
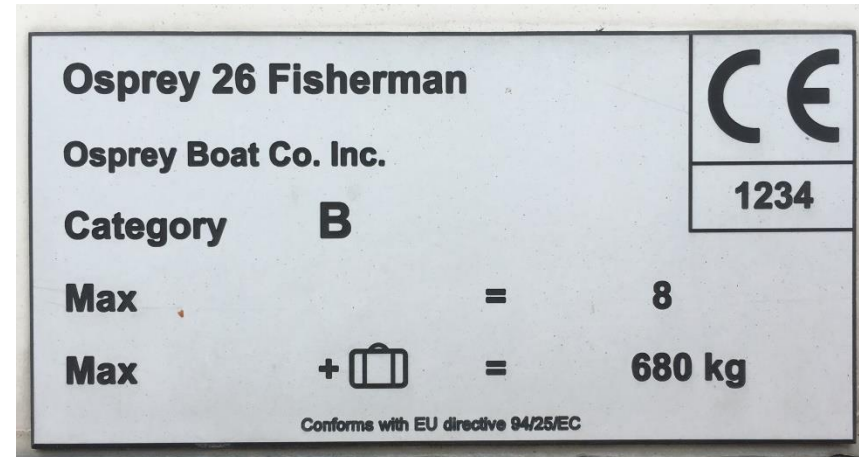
FIRE SAFETY FAILURES IN USING THE BUILDING

- ❑ Pulling a plug by holding the cable
- ❑ Storing more dangerous goods then allowed



FIRE SAFETY FAILURES IN DOCUMENTATION

- ❑ Abuse of CE marking
- ❑ NoBo 1234 = Efectis NL →
- ❑ Abuse of test reports



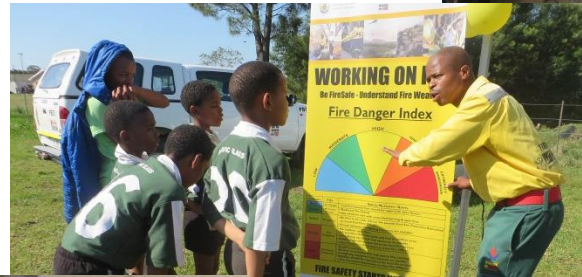
FIRE SAFETY FAILURES IN BUILDINGS

❑ Do we need more:

- Rules?
- Certification?
- CE marking?

❑ Or do we need more:

- Education
- Awareness
- Knowledge



FIRE SAFETY FAILURES IN BUILDINGS



- ☐ Raise awareness!!
- ☐ Provide knowledge!!
- ☐ Educate!!

- ☐ Thank you for your attention!
- ☐ Rene.defeijter@efectis.com