

Závodný hasičský útvar  
G4S Fire Services /SK) s.r.o.

# Two unusual incidents - When fire did not become a conflagration, and when it did so



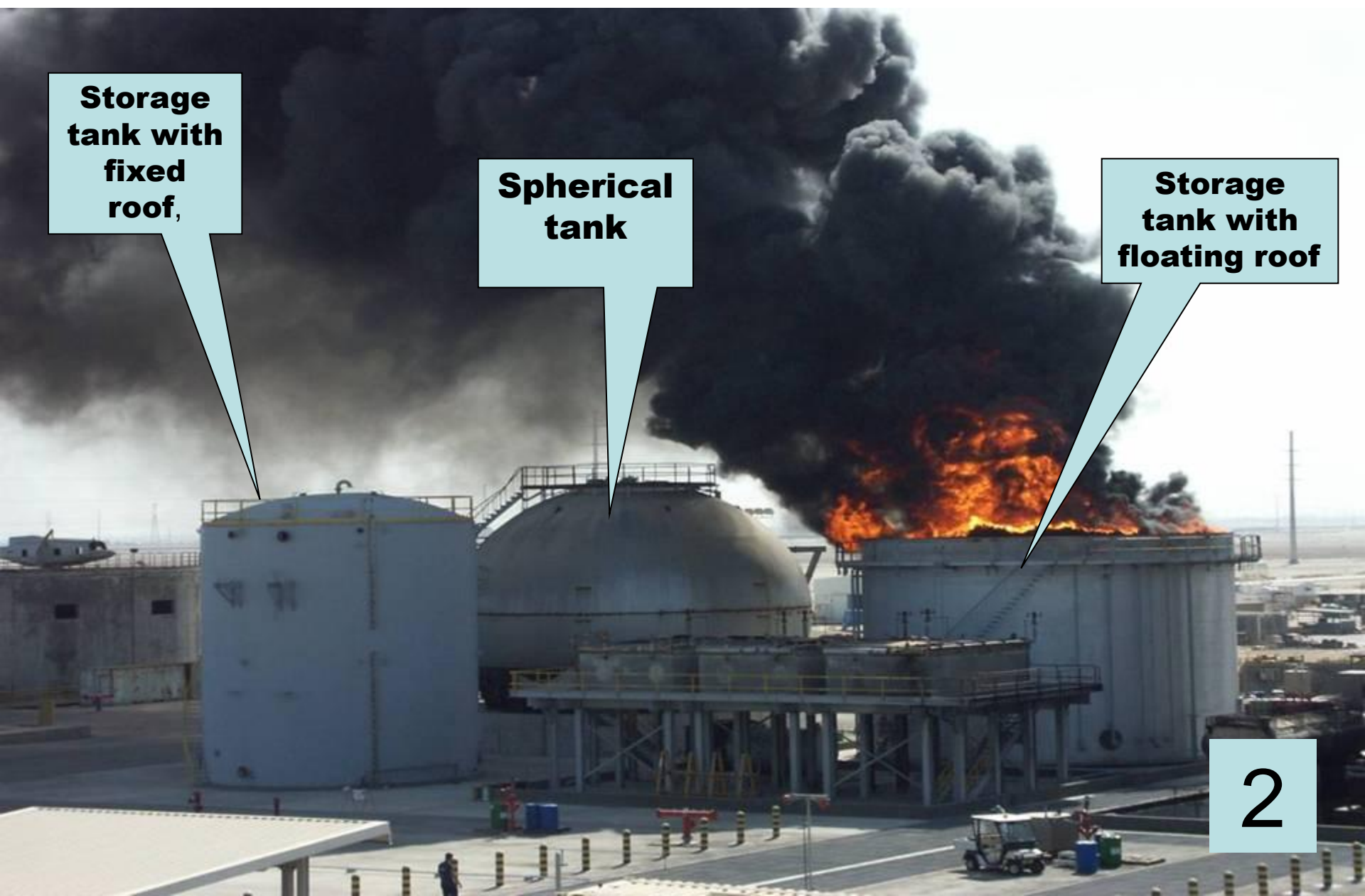
Budapest - Százhalombatta 18. November 2009  
Jozef Lauko, Chief of Fire Brigade

# Basic type storage tanks

**Storage tank with fixed roof,**

**Spherical tank**

**Storage tank with floating roof**



# Two basic type of fire on floating roof



## Basic requirements of successful extinguishment of full surface tank fires

- High capacity foam monitor (better one big as lots of small)
- A sufficient reserves of foam
- A sufficient water supply (min 20 000 l/min)
- A stability of weather (min 1 hour from start of fire fighting)







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# Basic requirements for successful extinguishment of rim seal fires

- A quick arrival of fire brigade
- A quick intervention with two foam streams (we can use a nozzle for the medium foam)
- A simultaneous extinguishing „with two streams surrounding attack“ over circumference of burning tank
- During extinguishing use SCBA

# Rimseal fire



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Rim Seal fire  
on storage  
tank  
N 61201A  
6 June 2007



# Detailed scene of the fire





## West focal point



## East focal point of fire



## North focal point of fire



# Progressive extinguishment of the fire from east to the north





# Progressive extinguishment of the fire from west to the north



A view at the part of technique from the top of the tank



Officer – in - charge checks foaming focal spot of fire on the west side of tank





The edge of focal point – at the left side is rubber sealing – at the right a naked petrol level





Searching for walkie-talkie



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... if we are successful we are laughing



these people were not laughing at all ...









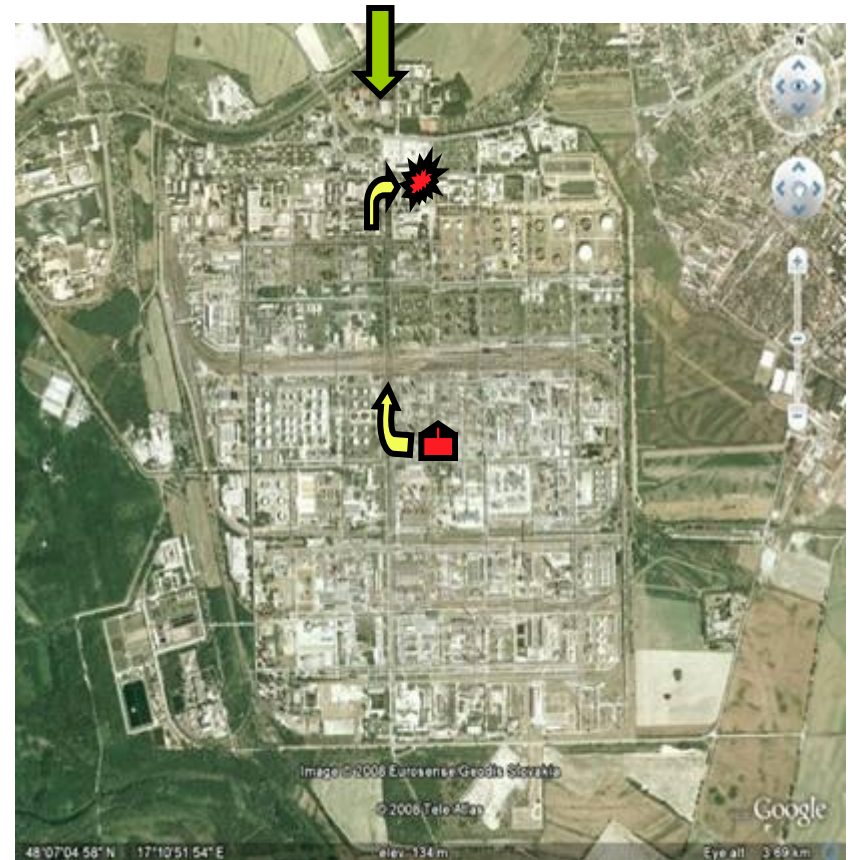


**Conflagration transformer T 108 at Head  
transformer station No.2  
13.8.2008**

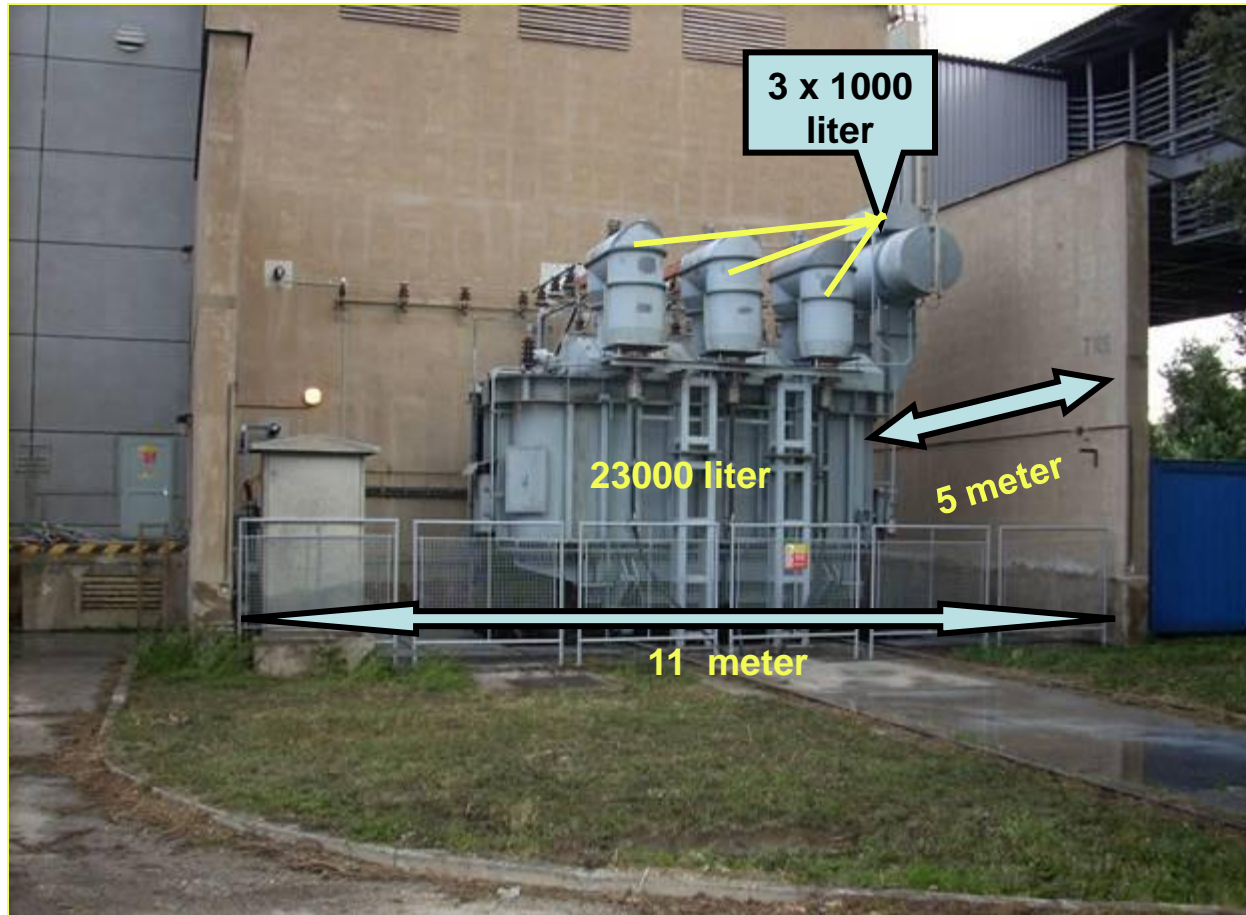
Evalutaion – lessons learnt

# Basic information about fire

- Date : 13.august 2008
- Time :
- Beginning: 17.13
- Alarm : 17.16
- Departure from FS : 17.17
- Arrival on scene : 17.18
- To deploy attack stream :
- 17.19 – powder hand stream
- 17.22 – powder gun
- 17.25 – break in fire fighting
- 17.36 – continue of intervention
- 17.53 – localization of fire
- 18.43 – elimination of fire







Tíme 17,22



Time 17.22





Time 17.22



Time 17.27



36

Time 18.11





Time 18.14



Time 18.25



Time 18.16





Time 18.29



Time18.36



Time 18.36





Time 18.36



43

Time 18.37



Time 18.43 ?



Time 18.49





Time 18.59



Time 19.01



After putting out the fire



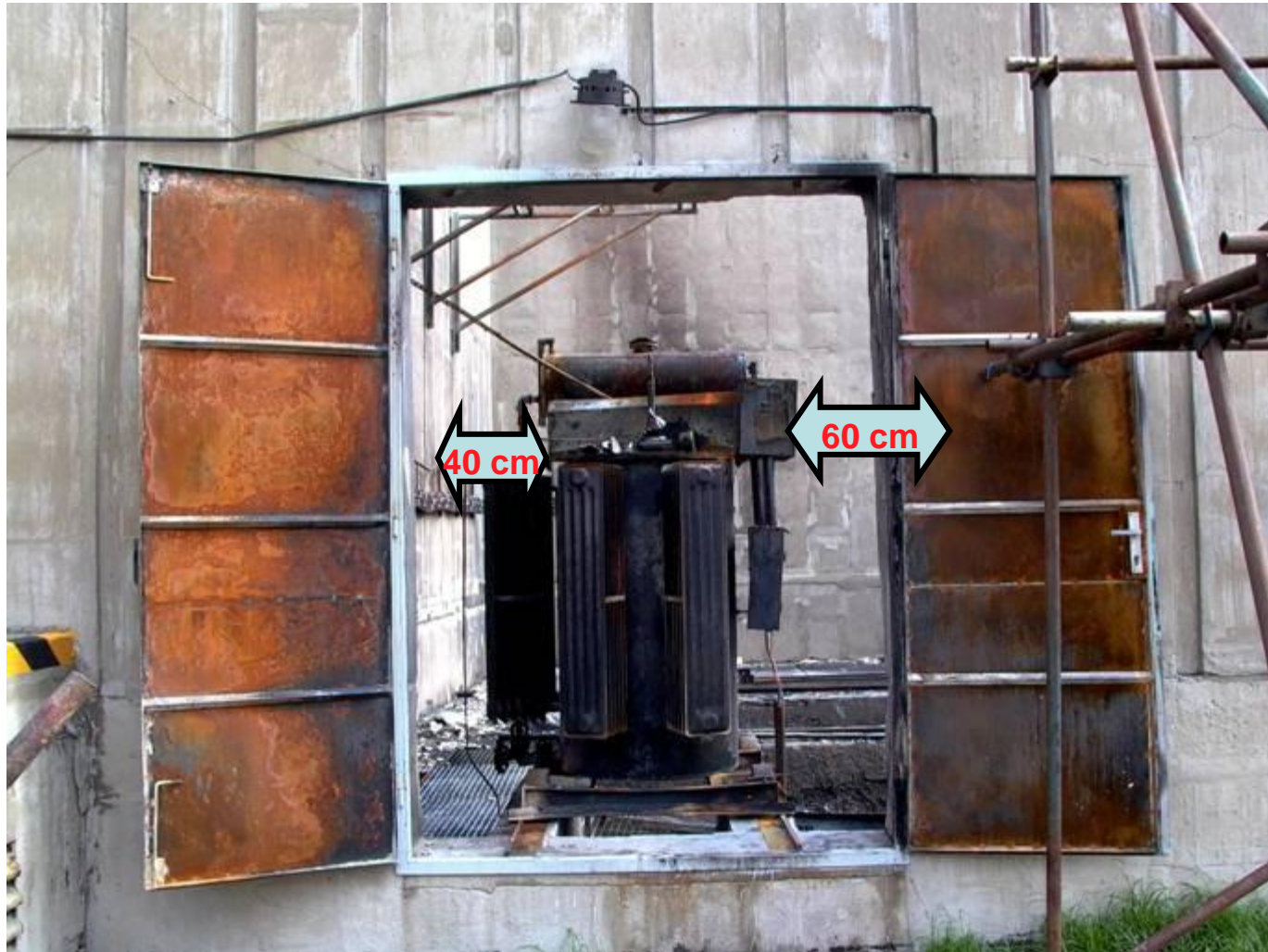








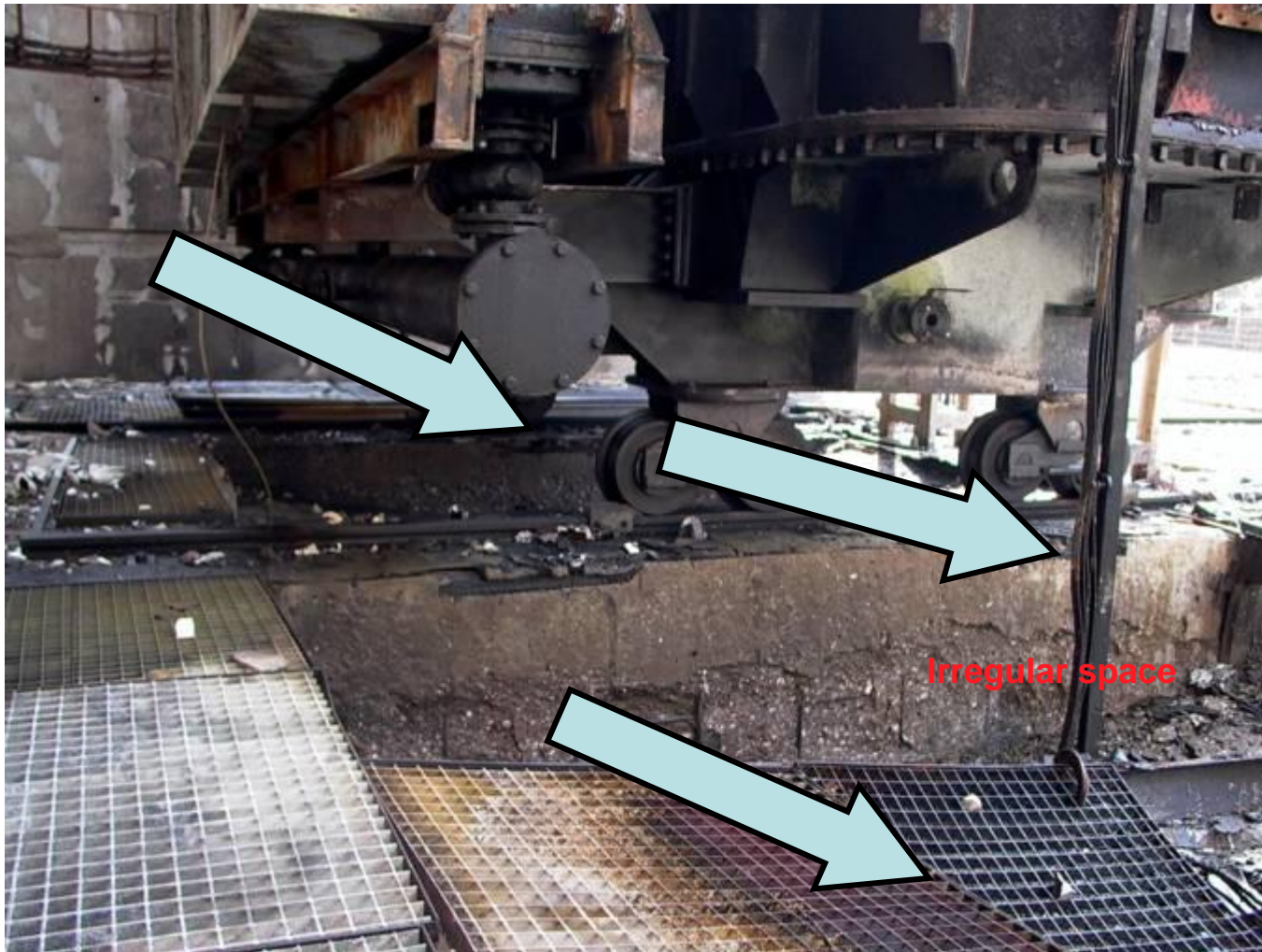
A system mistake which makes the intervention more complicated















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# Cooperation with municipal firefighters

- People are available after 15mins
- Well – trained staff, improper equipment for industrial fire fighting
- All powder and combined trucks are older than 30 years
- A municipal firefighters do not have dry powder in stock.



# Conclusions

- In partnership with experts (electricians) it is necessary to develop principles of extinguishing transformers
- To the space of transformers to install semi - fixed equipment
- To create more access places to the area of transformer

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**FER TŰZOLTÓSÁG**

Thank you  
for your  
attention

