



**8th INTERNATIONAL CONFERENCE
FOR FIRE BRIGADES IN THE HIGH HAZARD INDUSTRY**
Danubius Hotel Helia, H-1133 Budapest, Kárpát Street 62-64.
10th – 11th November, 2015

zíkun DICOSY
disaster control systems



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Turbo-Extinguisher:

How to use the Turbo-Hydro-Jet-Technology as Add-On-Equipment

Riegel, Okt. 2015

Thomas Huber, Zikun Fahrzeugbau GmbH, Germany

BIG WIND

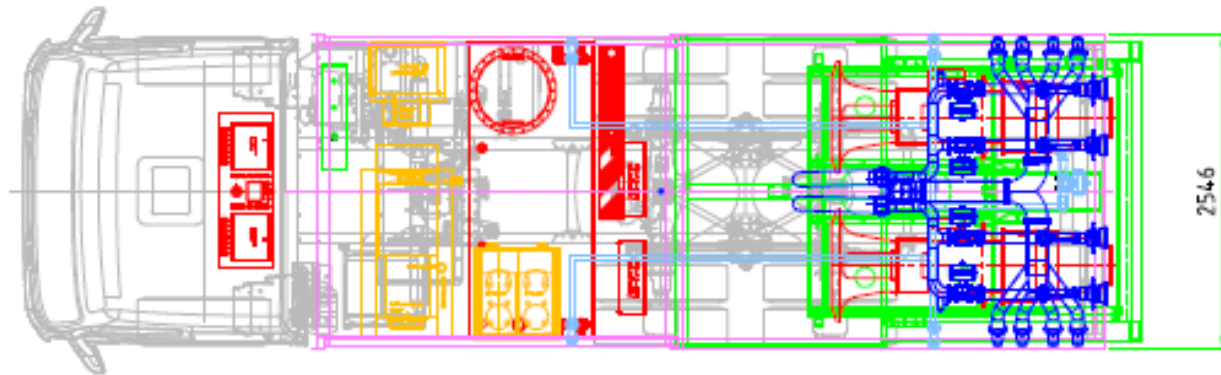
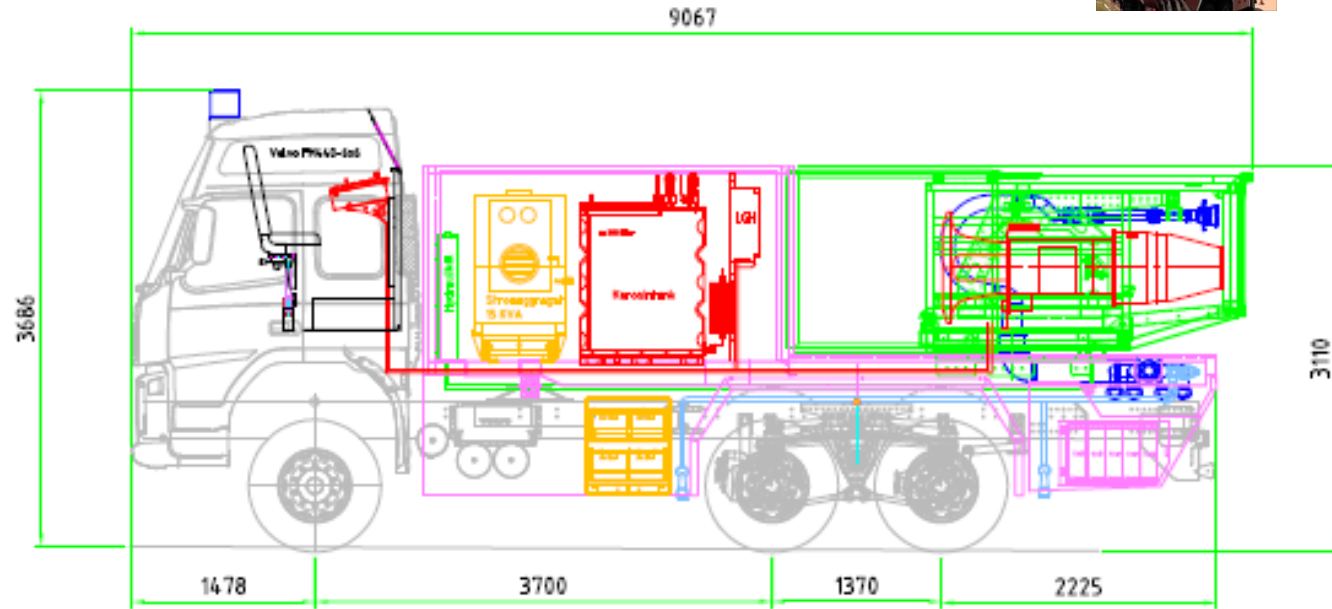
**Extinguishment of a gas well fire with the deployment of Vehicle Mounted Jet Engines
Group E&P Drilling and Completion, MOL**



From TANK to TRUCK



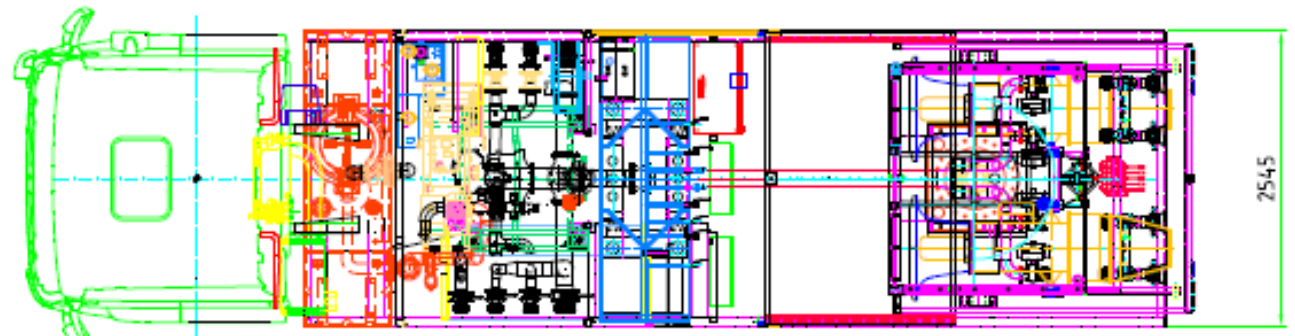
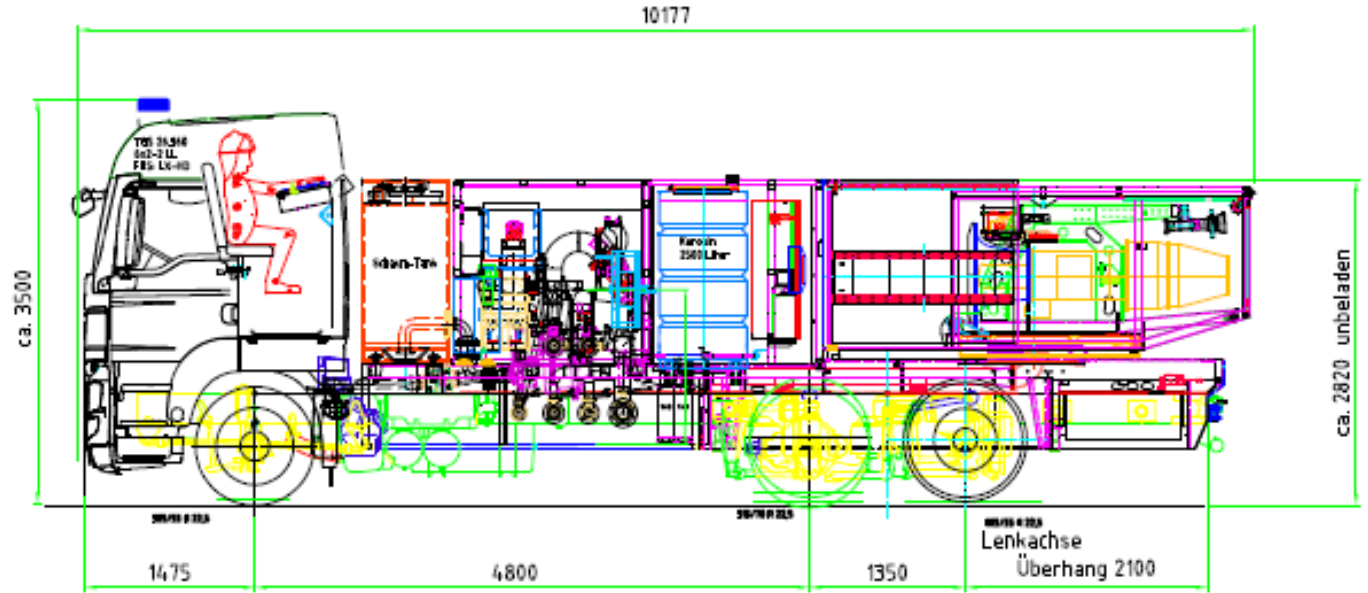
From TANK to TRUCK



From TRUCK to FIRETRUCK with water & foam



From TRUCK to FIRETRUCK with water & foam



From FIRETRUCK to MODULE as Add-On-Equipment



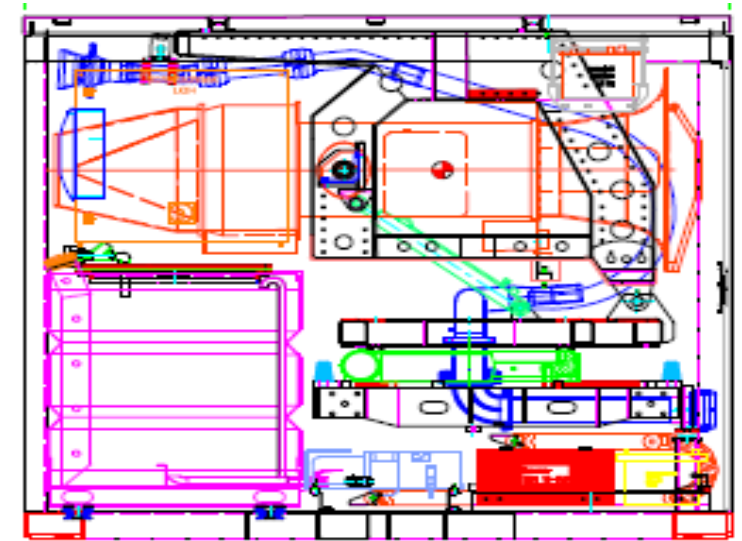
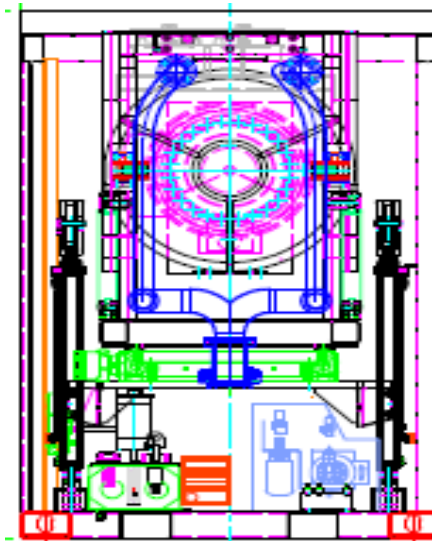
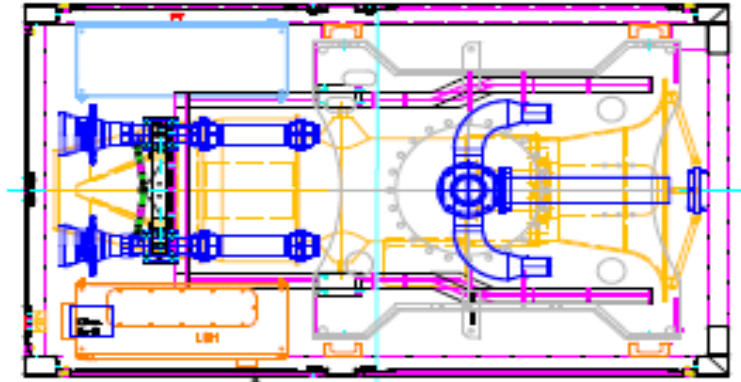
- ✓ independent
- ✓ easy to integrate
- ✓ easy to handle



From FIRETRUCK to MODULE as Add-On-Equipment

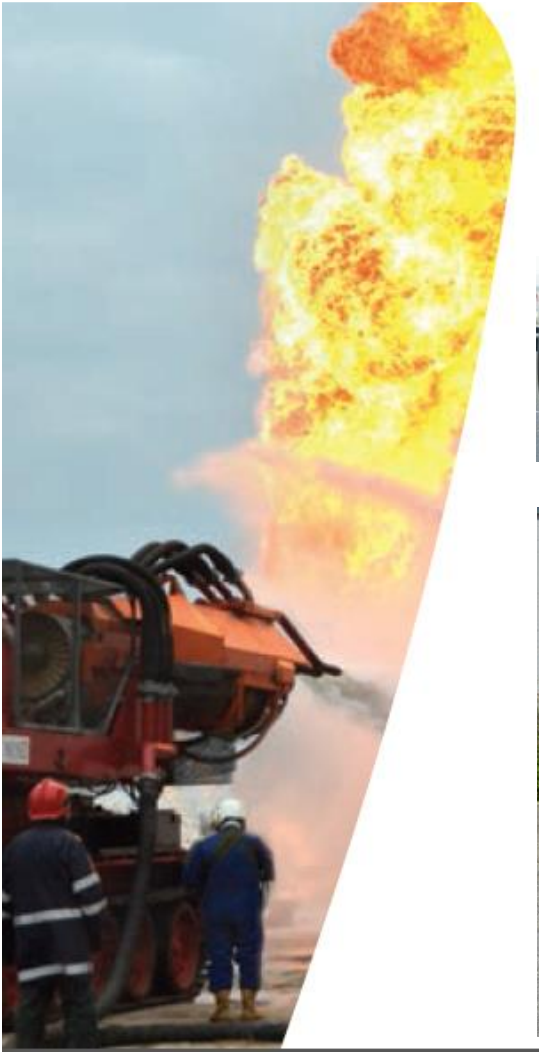


- ✓ small
- ✓ modular
- ✓ universal to integrate



From FIRETRUCK to MODULE as Add-On-Equipment

- ✓ Easy to handle via remote control and Joy-Stick



From FIRETRUCK to MODULE as Add-On-Equipment



- ✓ Long distance operating spray jet



From FIRETRUCK to MODULE as Add-On-Equipment



✓ high altitude
operating spray jet



From FIRETRUCK to MODULE as Add-On-Equipment



- ✓ high penetration operating spray jet

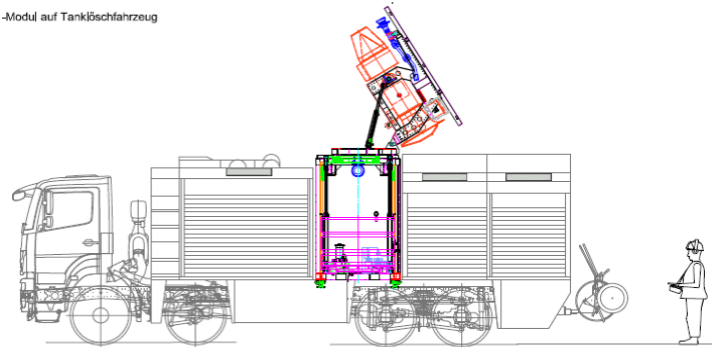


From FIRETRUCK to MODULE as Add-On-Equipment

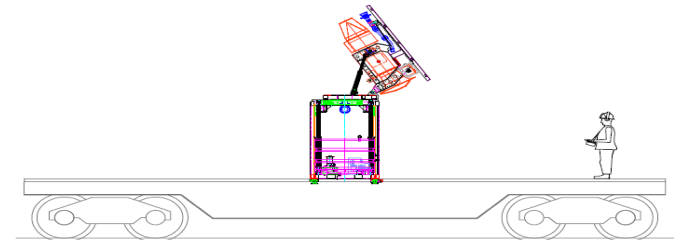
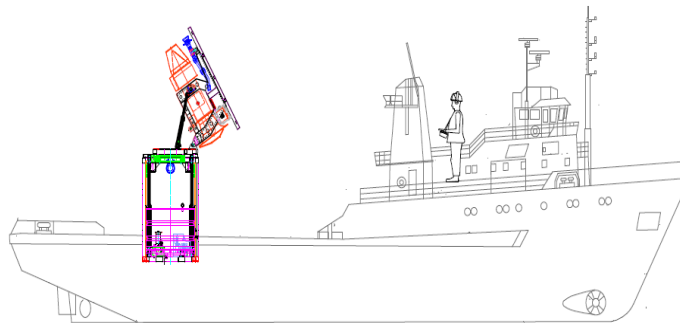
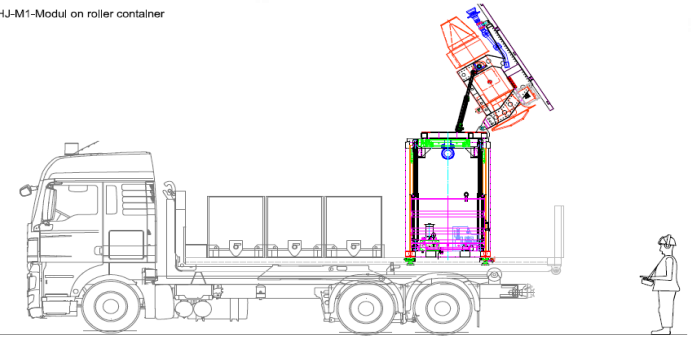


✓ Add-On-Equipment
for multiple operating conditions

-Modul auf TankBechfahrzeug



THJ-M1-Modul on roller container



Add-On MODULE for multiple operating conditions

- ✓ Add-On-Equipment for High Capacity Industrial Vehicles



Add-On MODULE for multiple operating conditions

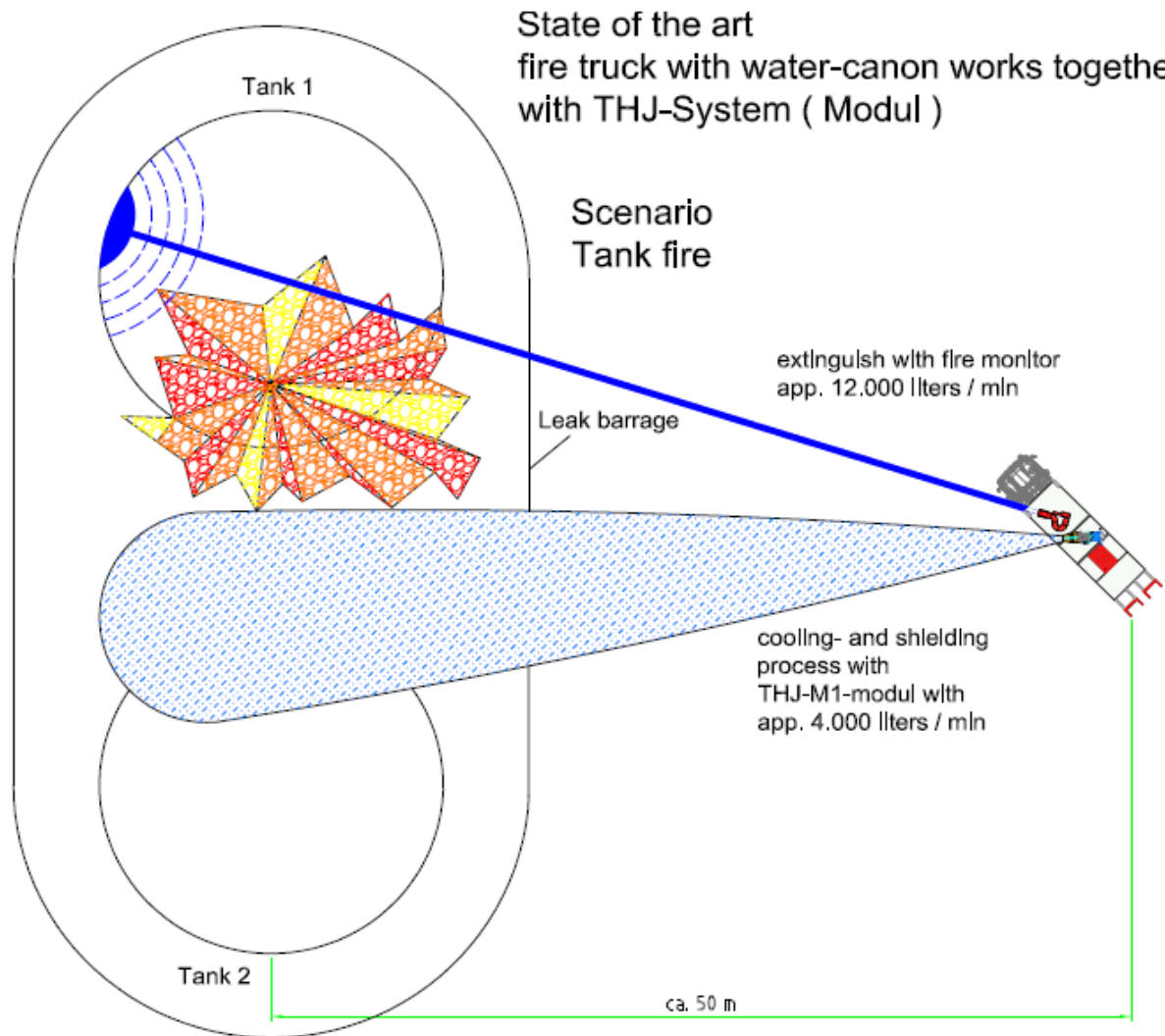
- ✓ Add-On-Equipment for High Capacity Industrial Vehicles



Add-On MODULE for multiple operating conditions



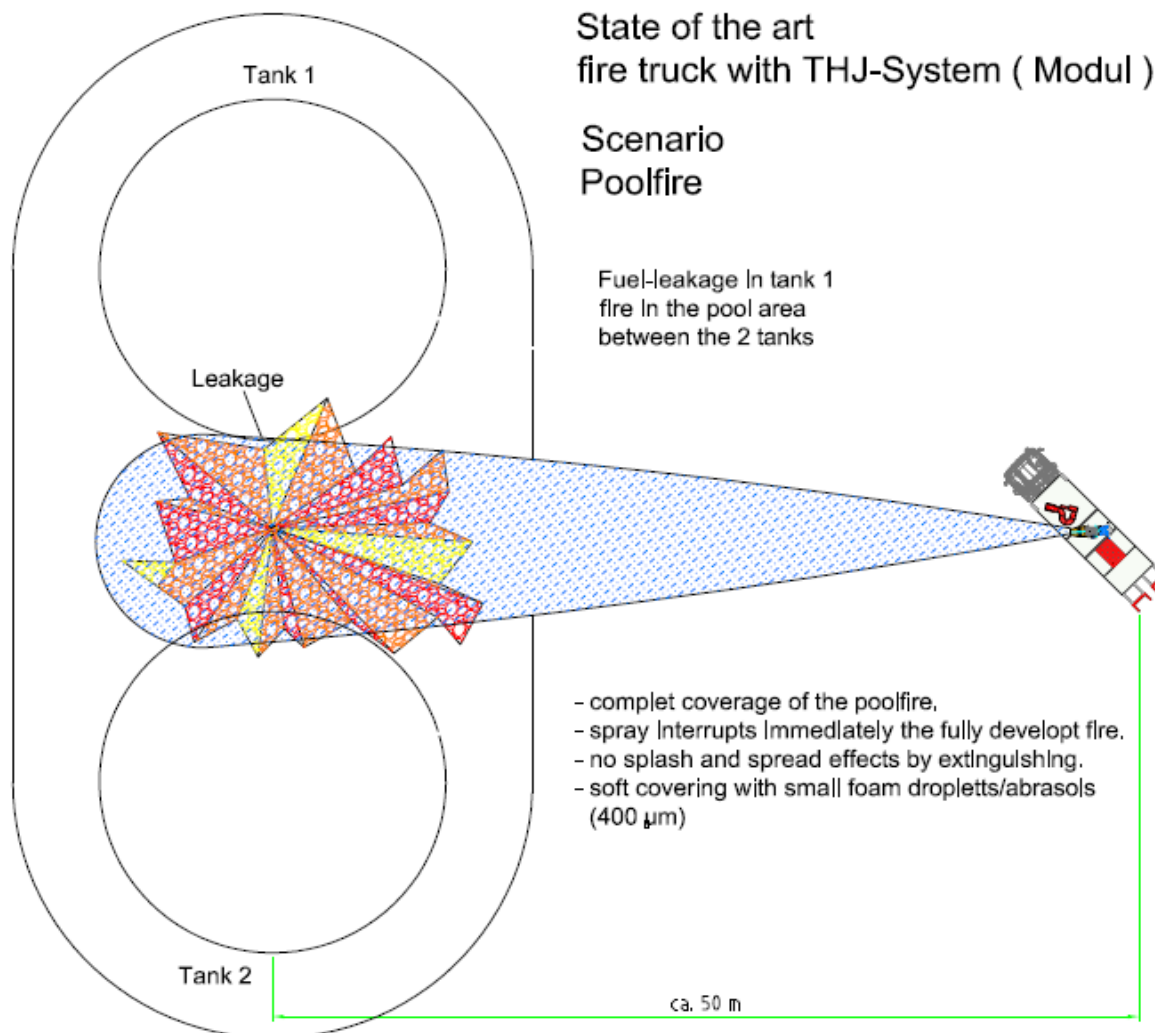
✓ Tank fire



Add-On MODULE for multiple operating conditions



✓ Pool fire



State of the art
fire truck with THJ-System (Modul)

Scenario
Poolfire

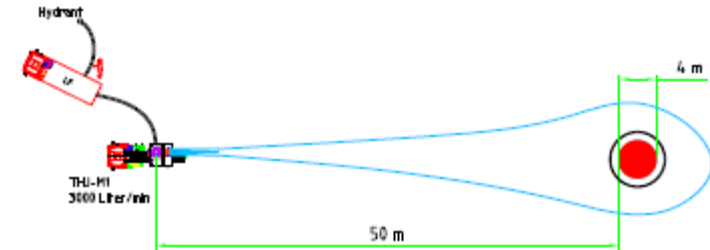
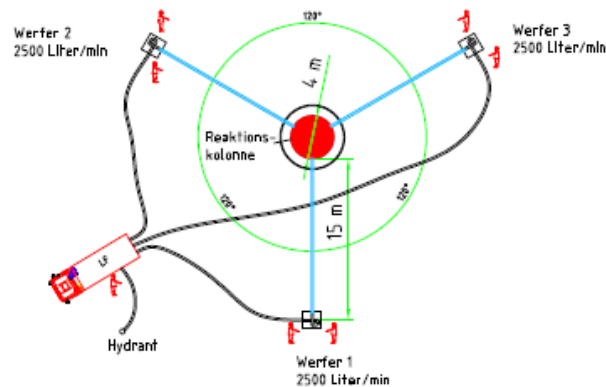
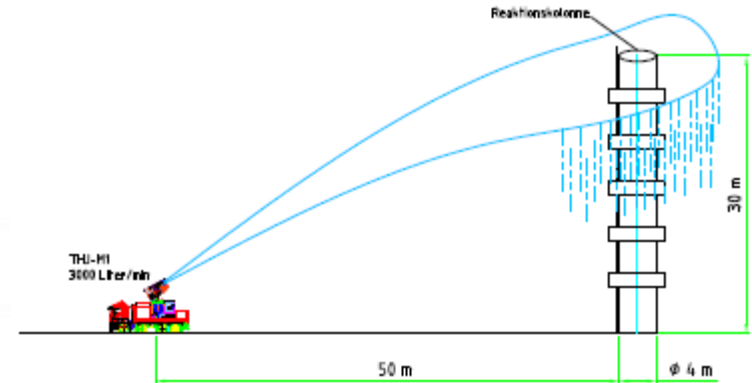
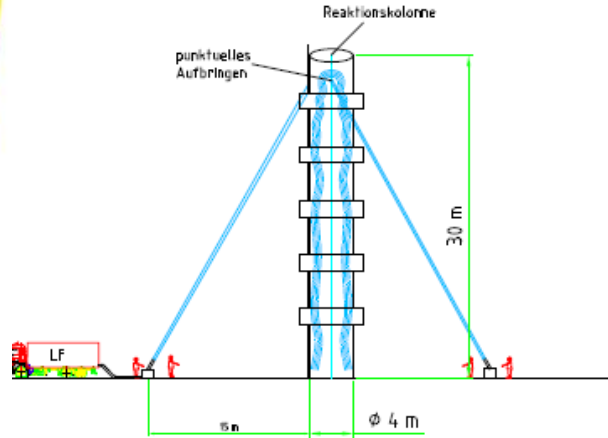
Fuel-leakage In tank 1
fire in the pool area
between the 2 tanks

- complet coverage of the poolfire,
- spray Interrupts Immediately the fully developpt fire.
- no splash and spread effects by extinguishing.
- soft covering with small foam droplets/abrasols (400 μm)

Add-On MODULE for multiple operating conditions







✓ efficiently cooling



Add-On MODULE for multiple operating conditions



✓ Range of Application

1	2	3	4
Wash down of toxic clouds	Cooling of 3D-objects	Fire fighting	Compressed aeration
Thinning out of toxic aerosols	Direct cooling	Major fires	Large storage buildings
Elutriation of toxic aerosols	Protective cooling	Pool fires	Tunnels
			

spray-jet: working from a safe distance

New THJ-Generation

From TANK to Add-ON-Equipment for multiple operating conditions

