



## **Case Study:**

**Werkfeuerwehr Chempark, Germany**

**Introduction of Heavy Rescue containers**

Heavy Rescue Germany

Industrial Damage Control



## **Summary**

Heavy Rescue Germany delivered a consultancy project centered around the introduction of Heavy Technical Rescue Containers at all three stations of the Industrial Fire Department (Werkfeuerwehr / WF) Chempark in Germany.

This project involved three deliverables:

- Documentation including simplified instructions for selected equipment
- Training for all 6 shifts (two shifts per station, three days training per shift)
- Delivery of standardised Operation Procedures (SOP) blueprints for Trench Rescue, Building Collapse and Heavy Rescue

The primary goal for Werkfeuerwehr Chempark was to quickly obtain a solid foundation for its crew to be able to respond to technical incidents using the new containers.

Initial documentation was commenced in December 2013, and the project was completed in May 2014.



## Situation / Requirement

Chempark Industrial Fire Department (Werkfeuerwehr Chempark) counts four fire stations at the sites of Dormagen, Leverkusen and Krefeld-Uerdingen, one training facility plus one fire boat on the river Rhine. With almost 400 employees, Chempark is the largest Industrial Fire Department in Germany.

Further to fires or chemical incidents, technical incidents large and small are an inherent part of the risk matrix in such complexes.

To address these risks, Werkfeuerwehr Chempark decided to enhance its response capacity by commissioning the construction of three same Heavy Technical Rescue containers, one for each industrial site.

The containers are designed to address a wide range of potential incidents. Worst case, Werkfeuerwehr Chempark must hold out on its own for some time during major incidents before reinforcements can be brought in from the outside.

To provide an adequate response, Werkfeuerwehr Chempark commissioned Heavy Rescue Germany to qualify the Fire Department to respond to these anticipated scenarios. Further, the project also included delivery of documentation and blueprints for Standardised Operating Procedures (SOP) for specific technical rescue incidents.

## Phase One: Documentation

The contents of the containers were documented with pictures. For a selection of critical, or complex equipment, simplified user guides were produced in the form of laminated, picture-based sheets that were subsequently placed in the containers.





## Phase Two: Training

This took place on site during work shifts at all three sites, training with multipliers. All six shifts were subjected to the same curriculum.

Training plan:

### Day one

- Theory of Heavy Lifting and Tactics (BigLift module)
- BigLift practical workshop

### Day Two

- Advanced training with lifting airbags (BagTime module)
- Trench Rescue (Trench rescue Module)

### Day three

- Emergency Shoring for Fire Departments
- Final Exercise





## Phase Three: Standard Operational Procedures

Blueprints for the following scenarios were produced:

- Heavy Rescue (Heavy Lifting following Road Traffic Collision)
- Trench Rescue
- Building Collapse

The SOPs take into consideration the actual available resources, both of personnel and equipment / appliances. The SOPs are based on field tested and proven procedures.

## Result

Werkfeuerwehr Chempark very quickly achieved an operational readiness stage following the introduction of the rescue containers. Also, they were provided with sufficient knowledge and information to implement their own training program.

## Project referee

Sebastian Wiederer, Werkfeuerwehr Chempark (contact provided at request).

## Heavy Rescue Germany (HRG)

Heavy Rescue Germany is a leading provider of specialist training and consultancy since 2009. Also, HRG is an appointed dealer of Paratech rescue products in Southern Germany.

Our underlying principle is mastering the *Art of Basics* and our position is best described as *USAR meets Fire Departments*. We enable first responders to initiate the correct first steps in rare and demanding scenarios, and to handle more of a given situation before requesting further units.

It is our belief that rescue work requires a balance of suitable equipment, tactics and training - HRG is your solution partner for all three elements.

We have developed a range of standardized modules, which are building blocks for bespoke solutions addressing clients' needs.

Not only do we offer training, but also documentation, develop Standard Operating Procedures and help with Quality Management (eg. training programs, training levels etc.).

Our field of expertise includes:

- Securing, Lifting and Shifting of heavy loads
- Heavy Vehicle emergency lifting
- Trench Rescue
- Shoring
- Technical Search
- Forcible door entry

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