

## Call for us – the specialists of THW



### Technical Unit Debris Clearance

With their powerful heavy plant machinery, this Technical Unit is involved in almost all routine operations of THW, e.g. to remove fallen trees or salvage vehicles and freight. Manoeuvrable wheel loaders are frequently employed to support the fire brigade in fire fighting. Especially when buildings in danger of collapsing need to be secured or torn down, parts of buildings brought down or ruins cleared, this unit is a great help.



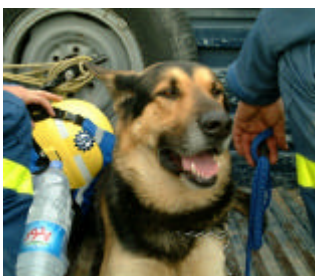
### Technical Unit Water Hazards

The Technical Unit Water Hazards is the specialist unit for rescue and salvage operations on the water. Floating work platforms can be built with pontoons, the various work boats can be used to supply or evacuate people trapped by floods, for instance. This Technical Unit can also contribute to securing dikes and dams. Their multipurpose work boats with lowerable bow flaps facilitate loading and unloading, as well as working on the water.



### Technical Unit Bridge Construction

The Technical Unit Bridge Construction provides quick replacement when bridges or crossings are damaged. The bridges they erect are assembled from prefabricated parts or constructed using conventional building materials, such as wood or steel. The scope of performance of this unit is not limited to building bridges, though. Other building activities are also in excellent hands with these specialists. The transport capacities of their off-road tip lorries with cranes can provide valuable support when transshipping and transporting heavy loads.



### Technical Unit Search and Detection

When persons are trapped or buried, they can often only be rescued by means of qualified locating. The operational tactics of the Technical Unit rely on a combination of rescue specialists, trained and tested tracker dogs, and technical search and detection equipment. This combined expert competence promises success even in the most difficult situations. The deployment of locating specialists can bring about certainty whether there is still life underneath the ruins, for example. Often, expert advice by the command centre and its personnel already suffices.



### Technical Unit Blasting

The scope of performance of the Technical Unit Blasting spans a large variety of applications, ranging from blasting snow patches and clearing avalanche threats, through to blasting dikes to let banked-up water to run off in a controlled way in extreme flood situations. The blasting specialists possess the required expertise to sever hollowed out or bent railtracks quickly and precisely, or bring down in a controlled manner buildings or parts of buildings threatening to collapse.

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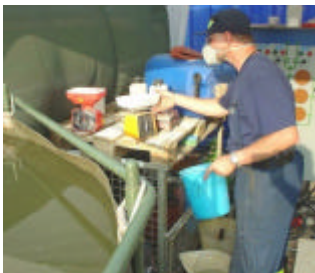
### Technical Unit Infrastructure

If a threat is posed by electricity, water or gas at the site of an operation, or if supply lines need to be temporarily repaired as quickly as possible when damaged, the Technical Unit Infrastructure is deployed. The unit closely cooperates with the rescue units, protects their working environment against threats posed by electricity or water, and organises the energy supply on-scene. In addition, this specialist unit can install water and sewage systems in emergency accommodations, shelters or assembly areas.



### Technical Unit Electricity Supply

The Technical Unit Electricity Supply steps in whenever a higher energy demand needs to be met. With their 200 kVA emergency power system, it is THW's mobile electric power station. In addition to power generation and supply, the specialists of this unit are able to carry out repairs in the medium and low voltage area to support power supply companies – up to the current transfer point, where the task of the Technical Unit Infrastructure begins.



### Technical Unit Water Supply and Treatment

Abroad, members of the Technical Unit Water Supply and Treatment are often called the "water people". Wherever drinking water is polluted or scarce, this Technical Unit's drinking water processing plant with an output of up to 15 cubic metres per hour can be employed. Mobile laboratories for water analyses assure the quality of the drinking water. In addition to producing, transporting and pumping water, its distribution also belongs to the tasks of this unit.



### Technical Unit Water Damage/ Pumps

The Technical Unit Water Damage/Pumps is THW's powerful instrument for fighting overflows and floods. With their various pumps, this unit can pump intruding water out of cellars, shelters or traffic facilities. The Technical Unit is capable of installing water conduits across longer distances, e.g. to deliver water for fire fighting. With their qualified work, the unit can also assist operators of sewage installations in eliminating water damage.



### Technical Unit Oil Pollution

The Technical Unit Oil Pollution provides help when the "black gold" becomes a plague. The specialists of the THW unit use floating barriers to channel the pollutant, they remove it from the surface of the water and fill the harmful substance into special containers. In case of low degrees of pollution, it is even possible to clean the polluted water until it reaches the quality required to be discharged into surface waters.

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### Technical Unit Illumination

This Technical Unit turns night into day. It has a wide variety of lighting means at its disposal to illuminate large areas at operation sites, assembly areas or event locations. With different light mast systems or illumination balloons, large areas of approximately 100 x 100 metres can quickly be lit up as bright as daylight and to a large extent without shadows and disturbing dazzles.



### Technical Unit Logistics

Thanks to its Technical Unit Logistics, THW is a burden to no one, since this unit is the central service enterprise for all THW units. During operations, it is in charge of supplying goods, catering, and the maintenance of material and equipment. This ensures the smooth course of the operation and relieves the requesting institution and the command centre. Of course, the Technical Unit Logistics can also support task forces of other organisations.



### Technical Unit Command, Control and Communication

The Technical Unit Command, Control and Communication is where all lines meet. It serves, in particular, to manage the THW units and is in charge of communication tasks required to direct THW's task forces and remain in contact with the requesting institution. It can support the command centre of the requesting agency in setting up a functioning communications network for the entire area affected by damage. The mobile command station consists of a large lorry with a trailer, and once assembled it turns into a kind of open-plan office equipped with state-of-the-art technology.



### Rapid Deployment Unit Search and Rescue (SEEBA)

The SEEBA team unites salvage, rescue and search and detection specialists of THW who are additionally trained for deployment abroad. They are called out in cases of earthquakes or volcano eruptions, and are ready for departure and carrying out independent operations within six hours along with their tracker dogs.



### Rapid Deployment Unit Water Supply (SEEWA)

SEEWA stands for an operative tactical unit with which THW can respond to dangerous situations in the area of drinking water supply faster than in the past. Reconnaissance, mobile water processing, analyses, first aid consulting, and rehabilitation are among the tasks of this operational unit. The equipment is permanently at hand packed for air transport, so that twelve hours after being called the SEEWA is at the airport ready for departure.