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Call out the

FIREFIGHTERS

THE FIRE STATION

A fire station serves a particular city or district. When an emergency call is received, the team members are alerted straight away and assigned to the different emergency vehicles. When they are off duty, the firefighters do drills so that they are always perfectly prepared when there's a real emergency. This is also when they can check and repair their vehicles and equipment.

Vehicle depot

Helipad

Pole Alarm bell Alarm for the bunk, shoes, fold

Control centre

with operations

computer

Bunks to rest in

when off duty

FIRE BRIGADE AT THE READY!

In big cities, fire stations are open around the clock – so they also have sleeping rooms where the firefighters can rest. To make sure they are ready for action the minute they are needed, they put their safety shoes right next to the bunk, then they leave the safety suits on top of their shoes, folded like an accordion and ready to pull up. In countryside areas, volunteer firefighters are always at the ready; in an emergency, they can be summoned using pagers or sirens.

CONTROL CENTRE AND OPERATIONS COMPUTER

When an emergency call comes into the control centre, the operations computer alerts the closest fire brigade. The incident plan tells the fire brigade how many firefighters and vehicles are needed, and where and why they are being called out.

Did you know?

The operations computer plans the quickest route to the incident and controls the traffic lights along the way.

FIRE SERVICE DUTIES

The Fire Service motto is "Save – Extinguish – Rescue – Protect", because nowadays they aren't just there to fight fires! Firefighters are also quickly on the scene to help people and animals in an emergency. That might

mean an accident, flooding or storm damage, for example. Firefighters are also on hand during large events. Since they can help in so many different ways, their clothes have to be suitable for every kind of operation.

INCIDENT COMMANDER

The incident plan tells the incident commander what has happened and where, as well as how many vehicles and how many firefighters have been called to the emergency.



He manages the incident and makes sure that everyone at the emergency is doing their job. He has an overview of everything, and needs to stay cool and calm under pressure.

Megaphone

Cones to block off the incident site

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LARGE LADDER ENGINE

The turntable ladder on the large ladder engine can reach sites up to 30 metres above ground. Sometimes, that's the only way to save people trapped by fires. Firefighters can

> Turntable ladder control panel fully extends the turntable ladder in just one minute

Hose reel

Electricity generator for the Jaws of Life, rescue shears and lights

Positive pressure ventilators used to help blow away thick smoke

also use the rescue cage and the integrated hose reel to rescue people and fight fires in hard-to-reach locations.

Turntable

ladder

Rescue cage with control panel for rescues and for fighting fires

Blue light and siren

TACKLING FIRES WITH THE FIRE SQUAD

The fire squad is a Fire Service team which is made up of one group commander, three teams, one messenger and one machine operator. Each team is made up of two firefighters who are responsible for a particular task within the fire squad.

The water team looks after the extinguishing water, and the hose team lays the hoses from the vehicle to the incident. Both teams also support the fire team, which searches the site of the fire for people and fights the flames.

The machine operator looks after the equipment on the equipment vehicle during the incident. He is also the driver.

Stabilisers

Turntable can be rotated 360°



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Did you know?

When all the hoses have been connected and all the teams are ready for action, the group commander gives the order: "Water on!"

WATER FOR TACKLING FIRES

Even though the vehicle carries a large water tank, this is often not enough, so the firefighters need more water. If there is a river or lake nearby, the fire squad can suck water from it, but in the city, they have to find a hydrant. Special signs tell the fire brigade where the nearest hydrant is. Some hydrants are underground – you can spot their iron cover plates set into the ground – and some overground.

Overground hydrant



According to this special sign, the nearest hydrant (H) is located exactly 2.3 metres to the right and 0.6 metres in front of this point. The number 100 indicates the / diameter of the water pipe, so the firefighter knows which hose to use.



Movable hose reel

The hoses are always laid out in snaking lines at the site of a fire, to make them easier to pull along after the firefighters as they tackle the fire.

Generator with with hose and nozzle Jaws of Life and rescue shears used in traffic accidents when people are trapped in their cars

THE EQUIPMENT VEHICLE - REACHES THE SPOT QUICKLY WITH THE EQUIPMENT AND THE TEAM

The equipment vehicle brings most of the equipment, tools and team members to the incident site. Each piece of equipment has its own special place, so that it is always to hand when it is needed.

Blue light and siren

Water cannon

Floodlights

Extinguisher water tank

Hose reel

Space for stowing equipment

Suction hose

The hose end goes into a river or lake. The pump in the truck sucks the water directly into the tank

RESCUE FROM THE AIR

When a fire is especially tricky to reach, firefighting helicopters are called in to help. They can use water jets to extinguish the blaze from directly overhead. The helicopter's water container is filled with extinguisher water. The pilot coordinates with the other firefighting units by radio.

Did you know?

Sometimes firefighting planes also drop fire-retardant substances over areas which are not yet ablaze. This helps to stop the spread of the fire.

∕ Water cannon

Turntable can be rotated 360°

Caterpillar tracks for extra stability

Radio remote control unit

FIRE SERVICE TRUCK

The Fire Service truck is used for hard-to-reach fires, such as forest fires. The large extinguishing foam cannon helps to quickly put out fires and deal with poisonous steam and gases. This makes it easier for firefighters to access the area.

> Winch for rescuing vehicles

EXTINGUISHER ROBOT

The extinguisher robot is used in underground locations such as tunnels, underground car parks and underground railway shafts. It offers firefighters the option of bringing a fire under control from a safe distance before finally extinguishing it. The remote-controlled vehicle with caterpillar tracks is highly <u>manoeuvrable</u> and extremely stable.

Extinguishing foam cannon for fighting fires with foam

Extra large tyres for use in the countryside







9464 Fire Engine



9467 Fire Water Canon



9465 Fire Crane



9466 Fire Truck





9463 Fire Ladder Unit

86107/06.18

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9468 Firefighters with Water Pump-



MIX Papier aus verantwortungsvollen Quellen FSC^e C115061

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