This basic rule with regard to disarming explosive devices means that bomb disposal officers increasingly prefer EOD robots as their tool of choice.

The telerob Explosive Ordnance Disposal and observation robot sets the standard worldwide. Robust, reliable and flexible in use, the innovative bomb disposal system provides a maximum degree of safety and protection.

More than 450 units in 41 countries help daily to prevent harm to people and the environment. A total of 20 NATO countries place their trust in the superior reliability of the most widely sold EOD robot of recent years.
The highlights:

- Programmable 6-axis manipulator with linear axis
- Magazine for three additional EOD devices, with automatic tool change
- Parallel operation of up to five firing systems with a maximum of ten separate shots
- Universal interfaces to connect to all current firing systems
- Built-in diagnostic system with remote maintenance module
- Long list of accessories (more than 40 systems and devices)
- Can be used under all ambient conditions from –20°C to +60°C
The EOD robot tEODor

Technical Data

**Vehicle**
- Length / Width / Height: 1300 / 685 / 1240 mm
- Weight: 375 kg
- Speed (infinitely): max. 3 km/h
- Climbing ability*: 45°
- Turning circle: 1460 mm
- Payload: 350 kg
- Towing capacity: 3000 N
- Reach vertical / horizontal: 2860 / 1860 mm

**Manipulator**
- Turret rotation: ± 205°
- Upper arm incline: +144°, -85°
- Lower arm incline: ± 110°
- Lower arm extension: 0 - 390 mm
- Gripper incline: +120°, -95°
- Gripper rotation: ± endless
- Gripper open/close: 300 mm
- Gripper force: 600 N

**Control panel**
- Width / Height / Depth: 440 / 350 / 310 mm
- Weight: 9 kg

*Depending on ground and friction. Trained operators under ideal conditions may achieve even more by using specific arm configurations.
The basic vehicle is designed as a twin-track vehicle. Extremely good maneuverability, good properties on open ground and the ability to climb at angles of up to 45°* characterize the running gear that is equipped with sprung rollers. It is easy to replace individual links of the robust steel track if they become worn or damaged.

The high-torque drive units work with continuous 4-quadrant control both backwards and forwards.

You can operate both the vehicle and the manipulator with extreme delicacy.

When the vehicle stops on slopes or gradients the safety brakes operate automatically to hold the vehicle in place.

The manipulator is a 6-axis high-power manipulator with a range of 2,860 mm. It can handle even the heaviest objects thanks to a payload of up to 100 kg**. Slipping clutches protect the manipulator axes against damage in the event of overloading.

A unique feature in this class is that the manipulator has a linear axis in the lower arm. This simplifies all linear movements in particular and makes investigation underneath vehicles much easier. Just press a button to automatically initiate routine activities such as tool changes or folding up/unfolding.

* Depending on the surface and its friction characteristics.
Greater values are possible if you position the arm accordingly and are working under ideal ambient conditions.

** See the Technical Data on page 58.

The EOD robot tEODor
You can control the robot either by radio or by using a 200 m fiber optic cable.

A special data protocol allows secure and error-free operation. Important vehicle data such as the battery voltage or the gripper force is collected regularly and shown on the control panel.

A built-in diagnostic system allows simple troubleshooting. Special software allows access to the diagnostic system via the internet.

In the basic version the vision system consists of two drive cameras plus one overview camera and one gripper camera. Stereo, night vision or infrared cameras are available as option.

The control station has been designed as a mobile operations control center. It has its own power supply and can be brought easily to any desired place of use. A large TFT monitor gives a superb overview of the operations area. The compact control panel can also be operated separately from the control station in the event of operations within sight of the vehicle.