TEC800
Fire Brigade’s indispensable ally

Technical assistance and fire-fighting robot

Protects men:
• Remotely attacks fire
• Creates a protective water shield

Supports with logistics:
• Carries up to 800kg of equipment
• Pulls 300m of fire-hose with water in
• Evacuates the wounded
• Pushes a vehicle

Scouts:
• Analyses the environment
• Assesses the risks

TEC800 can perform various tasks:
*Fire-fighting, casualty evacuation, heavy load transportation, taking measurements (video shooting, thermography, gas, ...), ventilation, etc.*

Cutting-edge technology

TEC800 is the result of several years of R&D in close collaboration with fire brigades.

TEC800 is equipped with shock absorbers and a dynamic tensioner to increase its traction and its ability to pass.

Its brushless engines make TEC800 more reliable: no maintenance is required.

Thanks to its monitoring system, the operator checks in real-time the health condition of the different components.

A data logger stores the robot’s entire activity which accelerates support procedures.

Its autonomous navigation module allows the robot to return to its starting point alone or to plan a mission beforehand.

It is the most efficient electrical operational assistance robot on the market.

Fire Brigades

TEC800 is fire-fighters’ indispensable ally for extreme situations: risks of explosions, restricted visibility, and high temperature. It is particularly helpful in the event of fires in parking, basements, tunnels, industrial warehouses, etc.

Like a scout, TEC800 can gather information with cameras and send it back to the remote operators, transport heavy equipment, push a vehicle or assist with casualty evacuation thanks to its stretcher holder. It can also cool the air and attack a fire with a water monitor.

TEC800’s versatility makes it able to perform several successive tasks, thus increasing the number of use cases while reducing the costs.

- Risk reduction
- Logistical support
- Help with the planning of operations
- Victim assistance
## TEC800

**Easy and intuitive operation**

**Entirely customizable**

**No maintenance engine technology**

**Can operate on stairs and overcome obstacles**

**Real time monitoring system**

**Autonomous navigation / Path record & replay / Return to home**

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**Piloting interface**

**Remote supervision and diagnostic / preventive maintenance anywhere in the world**

**Compact dimensions making it easily transportable (utility vehicle)**

**Indoor and outdoor operability (electrical engines)**

**Easily interchangeable batteries for greater autonomy**

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**TEC800** has been entirely designed by taking into account firemen’s need to have the utmost confidence in the equipment they use.

### Specs

<table>
<thead>
<tr>
<th>Spec</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engines</td>
<td>Two brushless electrical engines with parking brake &amp; temperature sensor &amp; position sensor</td>
</tr>
<tr>
<td>Tracks system</td>
<td>Shock absorbers, tension system, anti-roll system and locking hubs</td>
</tr>
<tr>
<td>Maximum Payload</td>
<td>800 kg</td>
</tr>
<tr>
<td>Maximum Power</td>
<td>17.8 kW</td>
</tr>
<tr>
<td>Dimensions (w/o accessories)</td>
<td>L1600 x h685 x l790 mm</td>
</tr>
<tr>
<td>Slope</td>
<td>45°¹</td>
</tr>
<tr>
<td>Side-Slope</td>
<td>35°¹</td>
</tr>
<tr>
<td>Stairs</td>
<td>Yes¹</td>
</tr>
<tr>
<td>Obstacle clearance</td>
<td>35 cm¹</td>
</tr>
<tr>
<td>Weight</td>
<td>500 kg</td>
</tr>
<tr>
<td>Maximum speed</td>
<td>12 km/h²</td>
</tr>
<tr>
<td>Autonomy</td>
<td>Range up to 22km³</td>
</tr>
<tr>
<td>Temperature</td>
<td>&gt; 500°C⁴</td>
</tr>
<tr>
<td>Charging time</td>
<td>4h30 (depending on the charger)</td>
</tr>
<tr>
<td>Electrical power</td>
<td>Two Removable L-ION batteries</td>
</tr>
<tr>
<td>Control system</td>
<td>WiFi (PT19) or military grade radio (PT20)</td>
</tr>
<tr>
<td>Range</td>
<td>Up to 5000m³</td>
</tr>
<tr>
<td>Monitoring</td>
<td>Real time robot monitoring (temperature, power,...)</td>
</tr>
<tr>
<td>Pulling capacity</td>
<td>Can pull up to 300 m of fire hose with water in</td>
</tr>
<tr>
<td>Sealing</td>
<td>Complies with IP66 standards</td>
</tr>
<tr>
<td>Command interface</td>
<td>Remote control and/or rugged tablet and/or smartphone (Windows, Android, iOS)</td>
</tr>
</tbody>
</table>

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### Options / accessories

- Autonomous navigation module
- People following module
- LED projectors (front, back rear)
- Position lamps (front, back rear)
- Siren
- Motorized water cannon (remotely operated)
- Self protection system
- Stretcher holder
- Oxygen bottles holder
- Fire large flow fan
- Releasable hub
- Thermal camera turret
- Front & back Day / Night Camera
- Smoke extraction fan
- Electrical winch
- Bull-bars
- Hitch Ball
- Sensors (temperature, gas, etc.)
- Remote pre-diagnosis

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1. Variable according to the payload
2. Nominal speed limited by software according to use
3. Variable according to speed and payload
4. With self-protection option activated
5. With PT20. Variable depending on the environment

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**Contact us for the list**

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