

# TEC800

Fire Brigade's indispensable ally

ANGATEC 

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,**...

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
- ☑ Help with the planning of operations
- ☑ Logistical support
- ☑ Victim assistance





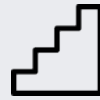
Easy and intuitive operation



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



Piloting interface Angatec owner and dedicated to the application



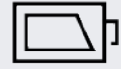
Remote supervision and diagnostic / preventive maintenance anywhere in the world



Compact dimensions making it easily transportable (utility vehicle)



Indoor and outdoor operability (electrical engines)



Easily interchangeable batteries for greater autonomy



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

## Specs

### Engines

Two brushless electrical engines with parking brake & temperature sensor & position sensor

### Tracks system

Shock absorbers, tension system, anti-roll system and locking hubs

### Maximum Payload

800 kg

### Maximum Power

17.8 kW

### Dimensions (w/o accessories)

L1600 x h685 x l790 mm

### Slope

45°<sup>1</sup>

### Side-Slope

35°<sup>1</sup>

### Stairs

Yes<sup>1</sup>

### Obstacle clearance

35 cm<sup>1</sup>

### Weight

500 kg

### Maximum speed

12 km/h<sup>2</sup>

### Autonomy

Range up to 22km<sup>3</sup>

### Temperature

> 500°C<sup>4</sup>

### Charging time

4h30 (depending on the charger)

### Electrical power

Two Removable L-ION batteries

### Control system

WiFi (PT19) or military grade radio (PT20)

### Range

Up to 5000m<sup>5</sup>

### Monitoring

Real time robot monitoring (temperature, power,...)

Data logger (up to 1,000 parameters per second)

### Pulling capacity

Can pull up to 300 m of fire hose with water in

### Sealing

Complies with IP66 standards

### Command interface

Remote control and/or rugged tablet and/or smartphone (Windows, Android, iOS)

## 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

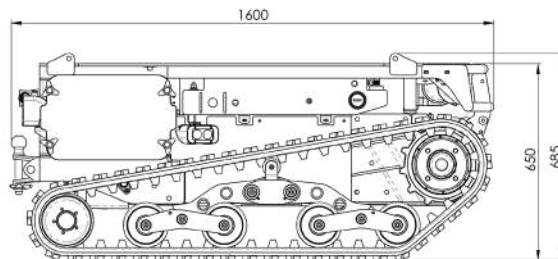
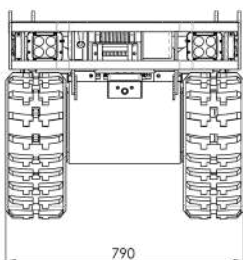
Hitch Ball

Sensors (temperature, gas, etc.)

Remote pre-diagnosis

Contact us for the list

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



# Génération ROBOTS

Brand of the group **NGX** ROBOTICS

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