

TC800-FF

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 250m of fire-hose with water in
- Evacuates the wounded
- Pushes a vehicle

Scouts:

- Analyses the environment
- Assesses the risks



TC800-FF can perform various tasks:
Fire-fighting, casualty evacuation, heavy load transportation, taking measurements (video shooting, thermography, gas, ...), **ventilation**, etc.

Cutting-edge technology

TC800-FF is the result of 7 years of R&D in close collaboration with fire brigades.

TC800-FF is equipped with **shock absorbers** and a dynamic tensioner to **increase its traction and its ability to pass**.

Its brushless engines make TC800-FF 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**.

Son module de **navigation autonome** permet de faire revenir le robot seul à son point de départ ou de planifier une mission en amont.

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

Fire Brigades

TC800-FF 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, TC800-FF 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.

TC800-FF'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



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 Tecdron owner and dedicated to the application



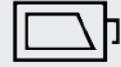
Remote supervision and diagnostic / preventive maintenance anywhere in the world



Compact dimensions making it easily transportable (utility vehicle)



Indoor and outdoor operability (electrical engines)



Easily interchangeable batteries for greater autonomy

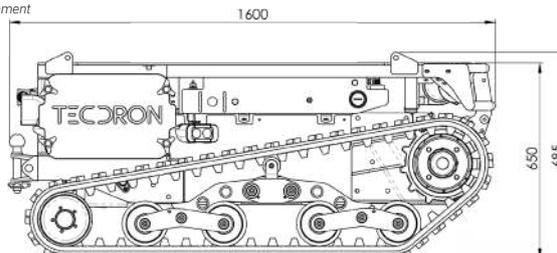
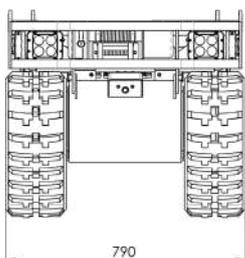


TC800-FF has been entirely designed by taking into account firemen's need to have the utmost confidence in the equipment they use

Specs

Engines	Two electrical brushless motors + parking brakes
Tracks system	Shock absorbers + dynamic tensioners
Maximum Payload	800 kg
Maximum Power	17.8 kW
Dimensions (w/o accessories)	L1600 x h685 x l790 mm
Slope	45° ¹
Side-Slope	35° ¹
Stairs	Yes ¹
Obstacle clearance	35 cm ¹
Weight	500 kg
Maximum speed	10 km/h ²
Autonomy	Up to 7 hours in operation ³
Temperature	> 500°C ⁴
Charging time	4h30 (depending on the charger)
Electrical power	Two Removable L-ION batteries
Control system	Radio (mesh) and/or wired
Range	Up to 1000m ⁵
Monitoring	Real time robot monitoring (temperature, power, voltage...), Data logger
Pulling capacity	Can pull 250m of fire hose with water in IP66
Sealing	
Command interface	Remote control and/or rugged tablet and/or smartphone (Windows, Android, iOS)

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 long range option. Variable depending on the environment



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

