In an emergency, every second counts. FORT’s Wireless E-Stop (WES) saves valuable time when it matters most. The handheld remote can shut down any machine system from a safe distance.

Prevent accidents and protect your team

- Patented safety system for maximum reliability
- Redundant two-way monitoring
- Designed to leading industry safety requirements
- All-day battery and long-range connectivity

Easy to Use and Integrate

Applications

Use on any machine with an e-stop circuit.

INDUSTRIAL:
Protect team members with Wireless E-Stops stationed at gateways to high-risk areas, or personal handsets to carry all day.

LABS, EDUCATION, R+D:
Keep safety first when building and testing the robots of the future.

MATERIAL HANDLING:
Prevent warehouse collisions by safely stopping autonomous mobile robots, AGVs, storage and retrieval systems, and more.

HEAVY EQUIPMENT:
The Wireless E-Stop can go where you go in harsh outdoor conditions for use with autonomous construction equipment, harvesters, mowers, and more.
**Flexible Pairing**

- Use our configuration tool to pair handsets with receivers
- Stop up to 11 machines at once from a single handset

**Pairing Options**

- **One to many**: Shut down multiple systems from a single remote handset
- **Many to one**: Workers carry personal E-Stops for shut down from different locations
- **Many to many**: Stop multiple machines from multiple locations.

**Sample Configurations**

- **Mobile Machines**: Stop multiple AGVs, AMRS, or other mobile systems simultaneously
- **Industrial Equipment**: Stop a fixed system from different locations

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**SPECIFICATIONS**

**WIRELESS FREQUENCY OPTIONS**

- 900 MHz FHSS
- 2.4 GHz FHSS

**LINE OF SIGHT RANGE**

- Up to 2km at 900 MHz
- Up to 500m at 2.4 GHz
- May vary based on antenna placement, obstructions, and environment

**TRANSMIT POWER**

- Up to 1W, subject to local regulations

**LATENCY**

- TX Rate: 35 ms default
- RX Timeout: 332 ms default
- Configuration-dependent

**SAFETY RATING**

- Designed to ISO 13849 PLd Cat 3

**HANDSET: WIRELESS E-STOP (WES)**

- Battery life: Up to 12 hours
- Operates while charging
- IP65 enclosure
- Operating temperature: -20°C to 60°C
- Input voltage, charging: 5V DC @ 2A (USB)
- Measures 6.4” x 1.95” x 1.95”
- Approximately 1.0 Lbs
- Optional belt clip
- LED indicators for battery, connection, and e-stop status

**RECEIVER: VEHICLE SAFETY CONTROLLER (VSC-006)**

- Dual channel safety relays for emergency stop output
- Dual channel emergency stop input loop
- IP66 enclosure
- Operating temperature: -40°C to 70°C
- Input power: 9-36V
- RP-SMA female antenna connector
- Measures 5.9” x 3.2” x 2.5”
- LED indicator for e-stop status
- Embedded options also available; contact FORT for details