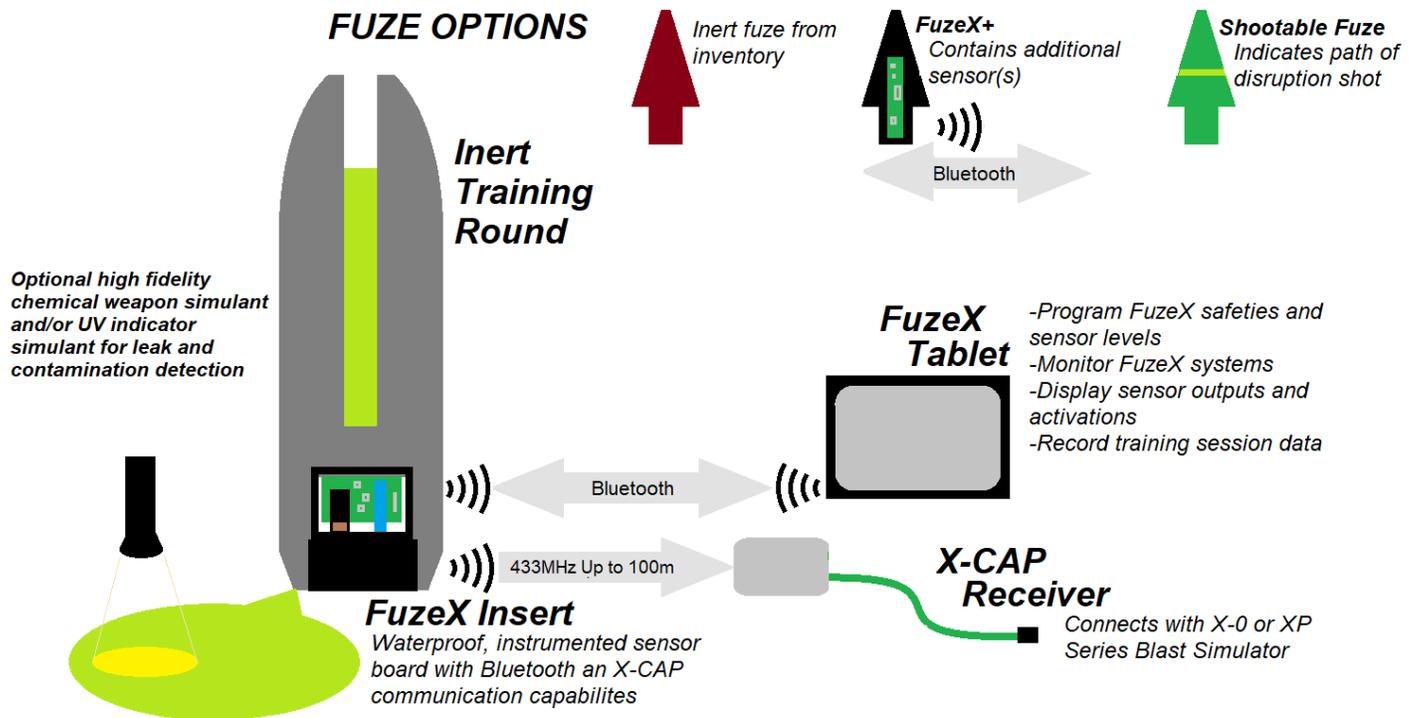
The background of the text is a simulation of an explosion, showing a large, billowing cloud of white and grey smoke and debris against a blue sky. The scene is viewed from a low angle, looking up at the rising plume.

**FuzeX™ Based  
System of Blast  
Simulators and  
Interactive IED,  
UXO, and  
Chemical  
Weapon Training  
Aids**





## Explotrain FuzeX™ System

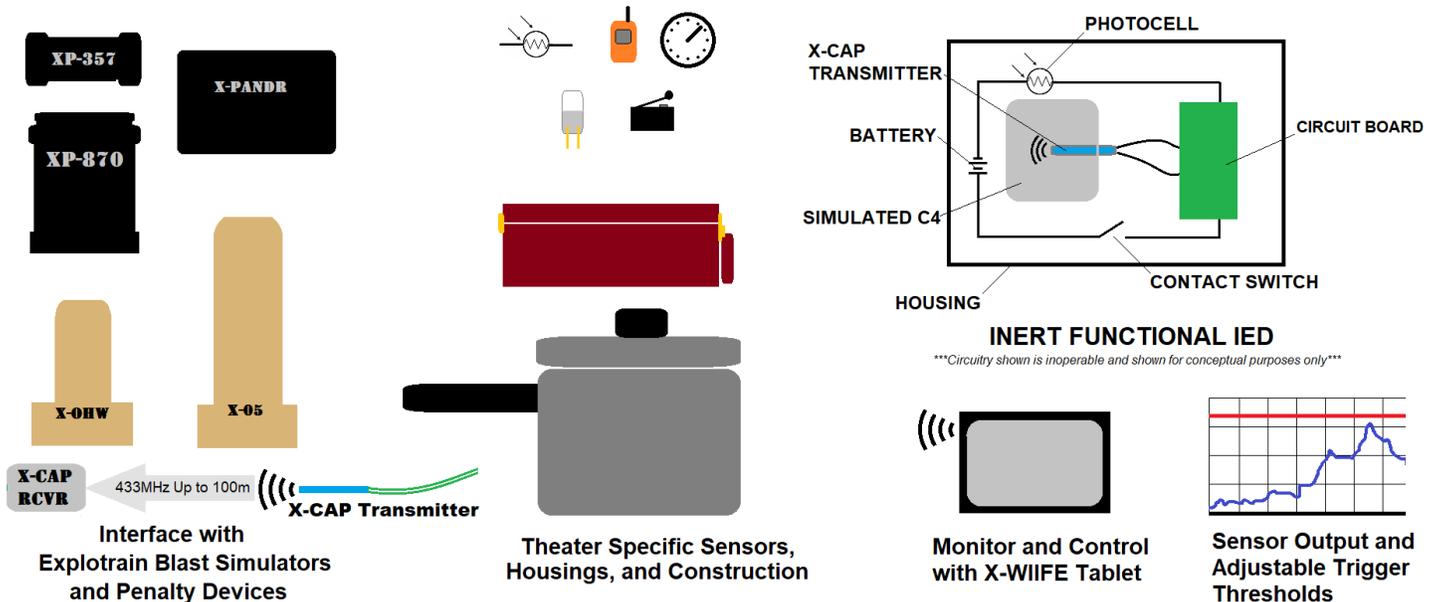
*Explotrain's FuzeX system provides high fidelity simulation of UXO and Chemical Weapon Ordnance for EOD training.*

Explotrain's FuzeX system accurately simulates the sensitivities and safeties of a variety of fuzes and ordnance through the use of a programmable circuit board inserted into inert training rounds and fuzes. The FuzeX circuitry is equipped with a variety of sensors that are wirelessly monitored and programmed by the user to accurately simulate the various safeties of a real ordnance and fuze. The training round can be used with inerted fuzes for recognition training and FuzeX+ fuzes that contain additional instrumentation such as proximity sensors.

To begin a training exercise, the instrumented training round is first armed by the instructor. Then, during Recon and RSP, if any of the programmed safeties of the training round or optional FuzeX+ are violated, the circuitry will alert the instructor via the tablet and will send a wireless Fire signal to any connected Explotrain Blast Simulator. All sensor level outputs are displayed in real time then recorded and formatted for the trainee's records.

Optional chemical weapon simulants can be inserted into the training round for additional training capabilities. These simulants can be intentionally leaked if desired. Various types of simulants are available for use with detection equipment as well as UV inspection for contamination.

After the trainee has prepared the RSP, the initial fuze can be replaced by a Shootable Fuze that will indicate the actual path of a disruption shot for comparison with cutaway models or images for evaluation.



## Explotrain IFIED™ System

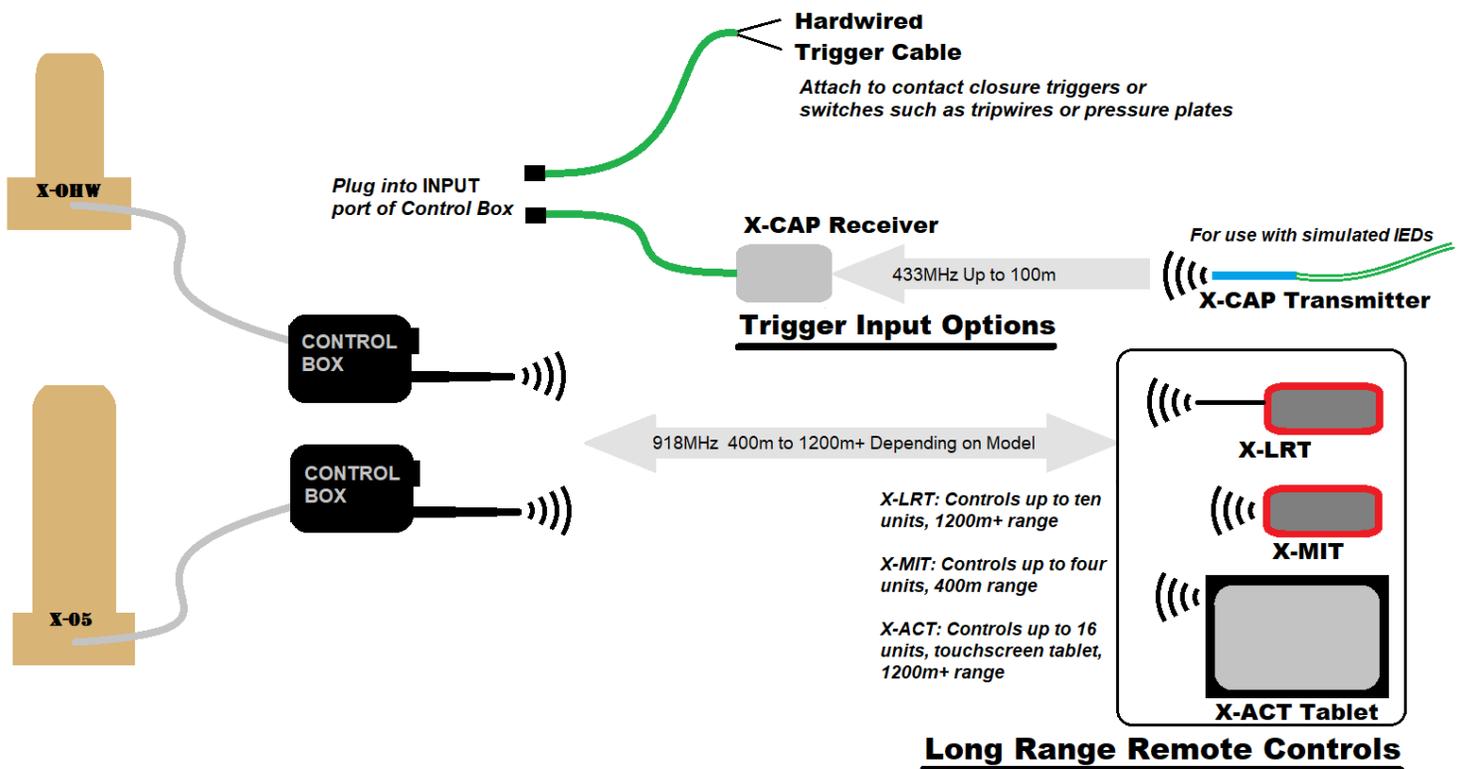
*Explotrain's Inert Functional IEDs (IFIEDs) accurately represent explosive devices found in the field in form, function, and construction*

Explotrain's IFIEDs are used to train against an ever changing and evolving IED threat. They are constructed with the same materials and using the same techniques as devices found in theater. These devices range in complexity from simple mail or letter bombs to that of the extortion device from Harvey's Casino in 1980.

Custom circuitry allows the use of various arming and triggering sensors: photocells, contact and trembler switches, mechanical and digital timers, PMRs, cell phones, etc. Outputs can be a simple buzzer or LED, but the majority of these devices use the X-CAP™ System to interface with a penalty device in the form of a blast simulator.

The X-WIIFE™ (Wireless Interface for Inert Functional Explosives) can be used to Arm, Disarm, Command Detonate, and monitor most IFIEDs. Sensor thresholds of both duration and intensity can be set and sensor output is continuously displayed on screen and stored. The X-WIIFE allows a trainee's performance to be evaluated or examined in detail rather than just a simple Go/No-Go. Additionally, the sensor display can be used as a teaching tool, e.g. visually demonstrating the effects of shining a light into a casing with a photocell.

With real world and accurately simulated components, but no "out of play" penalties or command wires, Explotrain IFIEDs provide the most accurate simulation of IEDs technologically possible.



## Explotrain X-OHW™ and X-05™ Blast Simulators

*Explotrain's Model X-OHW and X-05 Explosive Blast Simulators produce safe, realistic, and cost effective explosive battlefield effects.*

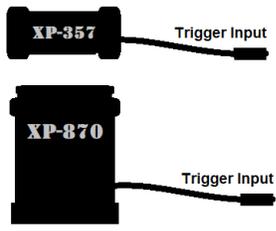
The X-OHW and X-05 produce simulated explosive effects using a controlled mixture of oxygen and propane ignited in an open chamber. These blast effects produce a brief flash, high sound levels (130dB+ Peak) and blast overpressure shockwave to accurately simulate artillery, IEDs, roadside bombs, and other explosive weapons used on the battlefield. They are safe to be used near personnel, vehicles, and buildings.

The X-OHW and X-05 are typically controlled by handheld remotes that can control up to 16 simulators at ranges up to 1200m. These remotes are used to Arm, Disarm, Fire and continuously monitor the simulators. The X-ACT™ tablet based controller can place simulator icons on a map or aerial photo of a training range for ease of use as well as update and customize basic software and operating parameters.

In conjunction with the wireless remote controls, the X-OHW and X-05 can be used with Explotrain's X-CAP wireless Blasting Cap Transmitter system. The X-CAP is simply placed in the circuit of an IED training device in place of an actual detonator. When triggered, the X-CAP sends a wireless Fire signal to a receiver that initiates the X-OHW or X-05. This system allows for high fidelity simulation of IEDs without the use of command wires or "out of play" buzzers and other less effective penalties.

Additionally, the X-OHW and X-05 can be triggered by hardwired connection to simple contact closure switches such as tripwires or pressure plates.

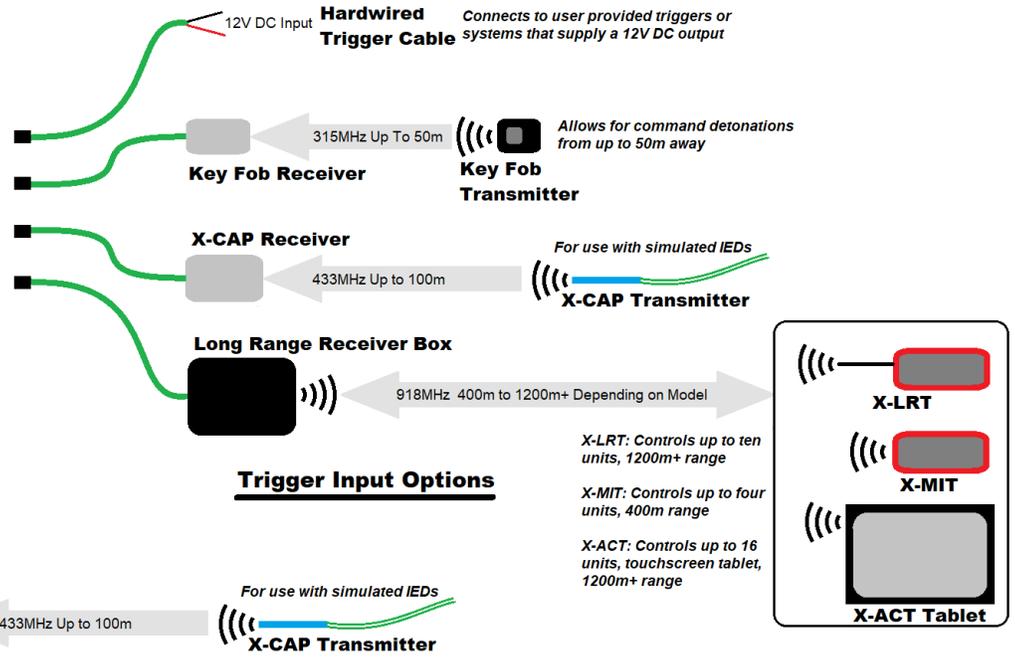
**AIR POWERED BLAST SIMULATORS**



**OUTPUT:**  
Tuned Shockwave and Blast



**OUTPUT OPTIONS:**  
Tuned Shockwave and Blast (XP-357)  
LED Indicator  
Buzzer  
LED Flash (15,000 Lumens)  
12V DC  
Contact Closure



**Explotrain Air Powered Simulators**

*Explotrain’s air powered simulators produce a loud report and tuned shockwave using compressed air or CO2.*

Explotrain’s Model XP-357™ and XP-870™ simulate explosive effects by the rapid release of 150psi compressed air or CO2. Released in a tuned shockwave, the result is a loud report as well as an ability to produce dramatic visual effects with the use of powders, liquids or light weight solids such as foam.

The XP-357 and XP-870 can be buried or completely submerged and are ideally suited for battlefield effects near personnel in buildings or vehicles. They can be initiated via 12V DC input through a hardwired attachment, key fob transmitter, or Explotrain’s long range remote controls. In conjunction with the wireless remote controls, the XP-357 and XP-870 can be used with Explotrain’s X-CAP wireless Blasting Cap Transmitter system. The X-CAP is simply placed in the circuit of an IED training device in place of an actual detonator. When triggered, the X-CAP sends a wireless Fire signal to a receiver that fires the simulator. This system allows for high fidelity simulation of IEDs without the use of command wires or “out of play” buzzers and other less effective penalties.

The X-PANDR Box is operated solely by the X-CAP system and allows the user to select output options consisting of an integrated XP-357, buzzer, LED Indicator, 15,000 Intense LED Flash, 12V DC, and contact closure.