



# ExploSim<sup>®</sup>

Real-world explosive effects  
without the casualties

Radio frequency  
explosion emulation

Train • Test • Validate



Layer  Services

# ExploSim®

Real world blast and fragmentation  
hazard simulation

## FEATURES

Real world, real time explosive effects without building damage or casualties.

Indicates blast lethality, blast injury, fragmentation injury and structural damage out to 250m (~820 feet).

Select from 25 military, commercial and home-made explosives or nine pre-selected IEDs.

Select from 100 g to 20 tonnes (~0.22 to 44,000 pounds).

## HOW IT WORKS

ExploSim provides a safe emulation of blast effects using radio frequency energy.

## HOW IT'S USED

1. Position the transmitter and select type and quantity of explosive.
2. Distribute receivers.
3. Trigger the transmitter.
4. Read results on receivers: blast lethality, blast injury, fragmentation injury, structural damage.

The signal penetrates thin materials and is reflected from hard surfaces.

Can simulate multiple IEDs and boobytraps.

Emulation of explosive effects in a 'real time' and 'real world' environment.

Enhances training, operational planning, emergency procedures,  
blast assessments and hence safety.

## DESIGNED FOR

Security and Emergency managers.

Security, Safety and Engineering consultants.

First Responders.

Incident Commanders.

Building marshals and wardens.

Bomb Technicians.

EOD Operators.

Search and Assault teams.



technical solutions to tactical problems

Layer  Services  
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