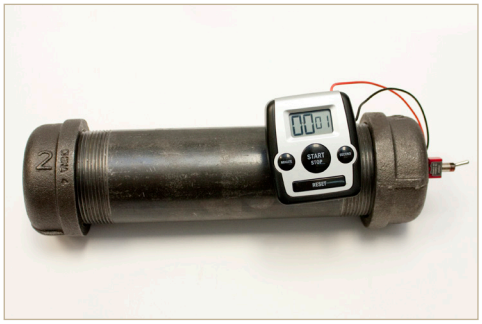
A-P-T RESEARCH, INC.
AN EMPLOYEE-OWNED COMPANY

Counter-IED Training Group

- **IED Electronics (IED-E)**
- **Homemade Explosives (HME)**
- **Tactical Post Blast Analysis (TPBA)**
- **Anti-Terrorism Awareness Training (AAT)**

These courses will prepare members of our elite Explosive Ordnance Disposal (EOD) community to understand, utilize, and balance the demanding pace of emerging trends, as well as meet the rigorous sustainment training requirements placed on Bomb Squads and EOD Teams. APT's C-IED courses are designed to train students to anticipate and combat our enemies' tenacity and unprecedented access to formidable explosive and electronic resources. Our collaborative efforts providing services, IED training aids, and joint training to the FBI, ATF, Civil Law Enforcement, and Military EOD make our training current with the most recent IED tactics and techniques utilized on our soil and the world abroad. Our courses provide class instruction with realistic practical exercises teaching students to identify and safely defeat devices and labs used around the world.

Theater Experience



Training Aid Fabrication

Course Duration: 5 days
IED-E Cost: $19,800
HME/TPBA Cost: $24,800
OCONUS: + travel & per diem

Location: Our Mobile Training Teams (MTT) will provide training at the unit's location or at our A-P-T Research, Inc., training facilities in Huntsville, AL.

Date: By request

Applicant Requirements:
Attendees must possess credentials as one of the following:

- Intelligence analyst
- USA personnel currently assigned to a C-IED effort
- Active Civil or Federal Law Enforcement Bomb Squad member [Hazardous Devices School Graduate]
- US Military EOD Technician [NAVSCOLEOD Graduate]
- US Military SOF Operator

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Anti-Terrorism Awareness Training (AAT)

Curriculum

1 or 2 Days. 30 Students.

- DOD Terrorism Threat Levels
- Force Protection Conditions
- Air Travel
  - CONUS
  - Overseas
- Ground Travel
  - Rental Car
  - Bus
  - Train
- Hotel
  - Selection
  - Considerations
- Hostage Survival
  - Survival
  - Escape
- Surveillance Essentials
- Active Shooter Fundamentals
- Insider Threat
- Improvised Explosives Devices

Practical Exercises

IED Electronics Course (IED-E)

Curriculum

5 Days. 15 Students.

- Basic Electricity Theory
- Basic Electricity: Components
  - Resistors
    - Fixed resistors
    - Variable resistors (Potentiometer)
    - Photo resistors
  - Capacitors
    - Fixed Capacitors
    - Fixed (Polarized/ Electrolytic) Capacitors
  - Switches
    - Mechanical
    - Electromechanical
  - Semiconductors
    - Transistors
    - Diodes
    - Integrated Circuits
    - Logic Gates
- Multi-Meter Use
- Circuit Construction
- Soldering
- Sensors
  - Passive Infrared (PIR)
  - Sound Impact
- Modifying Commercial-off-the-Shelf Products
  - PMR, Cell Phone, Digital Timer, Watch
- RCIED
- Terrorism Trends

Homemade Explosives (HME)

Curriculum

4 Days. 30 Students.

- Precursors
  - Basic Explosive Theory
  - Oxidizers & Fuels
- Improvised Drug Labs
  - Methamphetamines
  - THC Extraction
  - Opiates
- Chlorates
  - Armstrong's Mixture
  - Mubtakkar
- Nitrates
  - RDX
  - Picric Acid
  - Lead Azide
- Peroxides
  - TATP
  - HMTD
  - MEKP
- Improvised Detonators

Tactical Post Blast Analysis (TPBA)

Curriculum

5 Days. 30 Students.

- Evidence Collection and Forensics
  - Wet and Dry Evidence
  - Priority of Evidence
- Intelligence Collection
  - Know Tactics
- Tools and Search Techniques
- Four Days of Practical Exercises

APT Point of Contact

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C-IED@apt-research.com

Catalogs and schematics are available to qualified civilian and military professionals upon request.

It is the policy of A-P-T Research, Inc., that those leading a learning event (instructors, guest lectures, etc.) disclose proprietary interest in any products, services, instruments, devices or materials discussed during a learning event. This includes any source of third-party compensation. Leaders of a learning event are required to disclose this information in the form of a verbal announcement at the beginning of the learning event.

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