DoD Ordnance Technology Consortium (DOTC)
An integration of Government, Industry, and Academia into a single enterprise executing Joint and co-funded initiatives, sharing and developing goals and objectives, resources and assets, and utilizing existing personnel, facilities and equipment.
DoD Ordnance Technology Consortium (DOTC)

Government Laboratories

- OUSD (AT&L) LW&M
- Department of The Army
- Department of the Navy
- Department of the Air Force
- Department of Energy
- Special Operations Command
- Other Agencies and Departments

Rapid & Agile Acquisitions

National Warheads & Energetics Consortium

- Defense Contractors
- Traditional & Non-Traditional
- Academic Institutions
- Not-for-Profits Organizations

DoD and NWEC... Partnering to Leverage Capabilities and Investment
Mission

• DOTC’s mission is to demonstrate feasibility and/or the transition of Advanced Explosives, Propellants, Pyrotechnics, Warheads, Fuze/Sensors, Demil, Joint IM and Enabling Technologies through Prototype Initiatives
  – Rapid technology transfer to the Warfighter
• Advocates a critical mass of world-class technologists to meet the National Defense needs
• Leverages government, private industry and academia R&D resources (funding, personnel, facilities and equipment) to maximize return on investment
  – Promotes nontraditional defense contractor involvement
  – Promotes innovation
• STEM program is an integral part of OSD’s Educational Outreach Program in providing an ongoing source of scientific and engineering talent for government R&D labs
  – Maintain future US Armed Forces battlefield superiority
Single Point Contracting Model

Funding Obligation and Project Award...

- Call for Ideas
- S&T Guidance
- Research Sub Committee Mtgs
- NWEC General Membership Mtg

Technology IPTs
Government Project Officer/NWEC Planning

FEB - JUN

- Annual Plan Finalized
- Call for Ordnance Technology Initiatives

JUL - AUG

DOTC Acquisition Activity

SEP - OCT

- White Papers Due
- Funding Obligated

- Proposals Submitted & Evaluated

NOV - DEC

JAN

- Selections & Technical Direction

JAN+

- Award Ordnance Technology Initiatives

In Care of Consortium Management Firm

Funding Obligated in 1st QTR of Fiscal Year
## FY10 Schedule

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Call for Good Ideas/Annual Plan Updates</td>
<td>MAR 09</td>
</tr>
<tr>
<td>SubCommittee Meetings</td>
<td>MAY 09</td>
</tr>
<tr>
<td>NWEC General Membership Meeting</td>
<td>15-16 JUL 09</td>
</tr>
<tr>
<td>Finalize Annual Plan</td>
<td>30 July 09</td>
</tr>
<tr>
<td>DOTC Executive Committee meeting</td>
<td>17 AUG 09</td>
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<tr>
<td>Request for Ordnance Technology Initiatives</td>
<td>24 AUG 10</td>
</tr>
<tr>
<td>White Paper Submittal to ATI</td>
<td>15 SEP 09 (noon EST)</td>
</tr>
<tr>
<td>White Papers Sent to Government</td>
<td>17 SEP 09</td>
</tr>
<tr>
<td>White Paper Feedback to NWEC Members</td>
<td>06 OCT 09</td>
</tr>
<tr>
<td>Proposals Received by ATI</td>
<td>18 NOV 09 (noon EST)</td>
</tr>
<tr>
<td>Government Evaluation of Proposals</td>
<td>21 DEC 09</td>
</tr>
<tr>
<td>Technical Direction &amp; Initial Awards</td>
<td>JAN 10</td>
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</tbody>
</table>
OT’s Provide a Better Way To Do Business

• Break-through technologies are more accessible to DoD labs
  – Small businesses and academia team with industrial base suppliers
  – Identify and provide industry technology gap visibility

• Innovative business relationships and partnerships

• Flexibility to better manage R&D programs and meet technical objectives (requirements continuously evolve in R&D)

• More opportunities to obtain and/or leverage funding and resources

• Managers are able to allow engineering staff focus on technical details of projects rather than administration details of contracts
TATB

• Collaborative effort to establish and demonstrate a US manufacturing capability for TATB
• A joint working group was formed consisting of technical experts from the Air Force, Army, Department of Energy, OSD, and the Navy
• Co-funded by Air Force, Army and Navy
Over 120 member companies performing innovative R&D, needed to develop and transition new technologies into weapon systems to support the advancement of future war fighting capabilities.

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- Govt Program / Lab Participants
- Industry participants
<table>
<thead>
<tr>
<th>Company Name</th>
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<tbody>
<tr>
<td>Accurate Energetics Systems LLC</td>
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<tr>
<td>Aerojet</td>
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<tr>
<td>American Ordnance LLC</td>
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<tr>
<td>American Systems Corp.</td>
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<tr>
<td>Applied Energetics</td>
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<tr>
<td>Applied Research Associates</td>
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<tr>
<td>Armtec Defense Products-Esterline Defense Group</td>
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<tr>
<td>ATK Advanced Weapons</td>
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<td>ATK Launch Systems</td>
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<tr>
<td>Axson Technologies, Inc.</td>
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<tr>
<td>BAE SYSTEMS.</td>
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<td>Battelle</td>
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<tr>
<td>Cartridge Actuated Devices, Inc.</td>
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<td>Chemical Compliance Systems, Inc.</td>
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<td>Concurrent Technologies Corporation</td>
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<td>Day &amp; Zimmermann, Inc.</td>
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<td>DE Technologies, Inc.</td>
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<td>Dindl Firearms Manufacturing, Inc.</td>
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<td>Dynamic Systems &amp; Research Corp</td>
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<td>Dynetics, Inc.</td>
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<td>Eagle Picher Technologies, Inc.</td>
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<td>El Dorado Engineering Inc</td>
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<td>Electronics Development Corp.</td>
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<td>Energetics Material &amp; Products</td>
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<td>Ensign-Bickford Aerospace &amp; Defense Company</td>
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<td>Frontier Performance Polymers Corp.</td>
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<td>General Atomics</td>
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<td>General Dynamics Ord &amp; Tactical Sys</td>
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<td>General Sciences, Inc.</td>
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<tr>
<td>Goodrich Sensors &amp; Integrated Systems</td>
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<tr>
<td>Hi-Shear Technology Corp.</td>
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<td>Honeywell International, Inc.</td>
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<td>Infoscitex Corp.</td>
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<td>Kaman Aerospace Corp</td>
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<tr>
<td>Kilgore Flares Co. LLC</td>
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<tr>
<td>Lasertel, Inc</td>
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<tr>
<td>L-3 Communications - BT Fuze</td>
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<tr>
<td>L-3 Communications – KDI</td>
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<tr>
<td>Lockheed Martin Company</td>
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<tr>
<td>Malcolm Pirnie, Inc.</td>
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<tr>
<td>Material Processing and Research, Inc.</td>
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<td>Mecar USA, Inc</td>
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<td>Medico Industries, Inc.</td>
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<td>Missouri University of Science and Technology</td>
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<td>MSE Technology Application, Inc.</td>
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<td>NAMMO Talley, Inc</td>
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<td>National Technical Systems, Inc.</td>
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<td>New Jersey Institute of Technology</td>
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<tr>
<td>Northrop Grumman Space Technology</td>
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<td>Pacific Scientific Energetic Materials Co.</td>
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<tr>
<td>Planning Systems, Inc.</td>
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<td>Raytheon Company</td>
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<tr>
<td>Reynolds Systems, Inc.</td>
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<tr>
<td>SAIC</td>
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<tr>
<td>SAIC – Systems Engineering &amp; Technology</td>
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<tr>
<td>SciTech Services, Inc.</td>
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<td>SCRA</td>
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<tr>
<td>Stevens Institute of Technology</td>
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<tr>
<td>Subsystems Technologies, Inc.</td>
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<td>Syntronics, LLC</td>
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<tr>
<td>Systima Technologies, Inc.</td>
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<tr>
<td>Tanner Research, Inc.</td>
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<tr>
<td>Technikon LLC</td>
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<tr>
<td>Teledyne RISI</td>
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<tr>
<td>Texas Tech University</td>
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<tr>
<td>Textron Systems Corp.</td>
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<tr>
<td>The Boeing Company</td>
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<td>The Ex One Company</td>
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<tr>
<td>The Pennsylvania State University</td>
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<td>The Timken Company</td>
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<tr>
<td>Touchstone Research Lab., LTD</td>
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<tr>
<td>TPL, Inc.</td>
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<tr>
<td>Universal Technical Resource Services, Inc.</td>
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<td>University of Denver</td>
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<td>University of Florida</td>
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<td>University of Maryland</td>
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<td>University of Mississippi</td>
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<tr>
<td>University of Texas at Austin</td>
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<tr>
<td>UXB International, Inc.</td>
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<tr>
<td>Veritay Technology, Inc.</td>
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<tr>
<td>West Virginia University Research Corp.</td>
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NWEC Non-Traditional Companies

Action Manufacturing Company
Advanced Materials & Manufacturing Technologies, LLC
Ahura Corporation
Applied Sonics, Inc.
BEC Manufacturing Corporation
Bennington Microtechnology Center
BlastGard International, Inc.
CarboMet LLC
CAE Solutions Corp
CLogic, LLC
Combustion Propulsion and Ballistic Technology Corporation
Engineering and Management Executives, Inc.
Ergo Technologies, LLC
FED-COMM USA, Inc.
Folsom Technologies
G. Schneider & Associates, Inc.
Gunger Engineering
Hittite Microwave Corp.
HT Microanalytical Inc.
Imperial Machine & Tool Company

Innovative Technologies International
Latrobe Specialty Steel Company
Milli Sensor Systems & Actuators, Inc.
Mixed Signal Integration
Nanomaterials Discovery Corp
nanoPrecision Products, Inc.
NASCENTechnology
Nuvotronics
Pendulum Management Co., LLC
Plasma Processing Inc.
Polestar Technologies Inc.
Polymer Processes, Inc.
QuesTek Innovations LLC
Safety Consulting Engineers
Savit Corp.
SMH International, LLC
Special Devices, Inc.
Stanley Associates
STG Inc.
Tanenhaus and Associates, Inc.
Thermal and Mechanical Technologies
ABOUT DOTC

DEPARTMENT OF THE DEFENSE ORDNANCE TECHNOLOGY CONSORTIUM (DOTC)

DOTC is an integration of Government, Industry, and Academia into a single enterprise executing joint and co-funded initiatives; sharing and developing goals and objectives, resources and assets; and utilizing existing personnel, facilities and equipment.

MISSION:

DOTC's mission is to demonstrate feasibility and/or the transition of Advanced Warheads, Explosives, Propellants, Pyrotechnics, Fuze/Sensors, Demilitarization, Enabling Technologies, and Inertive Munitions by:

- Advocating a critical mass of world-class technologists to meet the Department of Defense needs for Conventional Energetics (Explosives, Propellants and Pyrotechnics), Warheads, Fuze/Sensors, Demilitarization, Enabling Technologies, and Inertive Munitions;
- Operating as an "open" center in which industry, academia, and other Government organizations and departments can freely participate;
- Being a focal point to rapidly transfer technology to the soldier in the field;
- Developing strong working affiliations with private and public Energetics, Warheads, Fuze/Sensors and DFMIL facilities and technology organizations;
- Leveraging governmental and private sector research and development resources to maximize return on investment;
- Promoting non-traditional defense contractor involvement;
- Promoting innovation;
Take Away

• The DOTC OTA (FY09-FY16, $700M) is established and available to obligate funding

• Better collaboration among Government labs
  – Engagement of more DoD/DOE labs
  – Leveraging established DoD IPT processes

• DOTC supports partnerships, use of non-traditional contractors and education outreach

• DOTC provides a focal point to rapidly transfer technology to the Warfighter

• Visit web site at www.nwec-dotc.org for additional information