TechSolutions
Solutions for First Responders

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“Putting First Responders First”
What is TechSolutions?

The mission of TechSolutions is to rapidly address technology gaps identified by Federal, State, Local, and Tribal first responders

• Field prototypical solutions in 12 months
• Cost should be commensurate with proposal but less than $1M per project
• Solution should meet 80% of identified requirements
• Provide a mechanism for Emergency Responders to relay their capability gaps
  • Capability gaps are gathered using a web site (www.dhs.gov/techsolutions)
• Gaps are addressed using existing technology, spiral development, and rapid prototyping
• Emergency Responders partner with DHS from start to finish
TechSolutions Web Page

The TechSolutions Program was established by the Department of Homeland Security's Science and Technology Directorate to provide information, resources, and technology solutions that address mission capability gaps identified by the emergency response community.

The goal of TechSolutions is to find technologies that meet 100% of the operational requirement, in a 12 to 15 month timeframe, at a cost commensurate with the proposal but less than $1 million per project. Goals will be accomplished through rapid prototyping or the identification of existing technologies that entirely identify requirements.

Only first responders are eligible to submit capability gaps to the TechSolutions web site. Please, no unsolicited proposals or grant response. If you are a first responder who has identified a capability gap that impacts multiple departments or sectors of the first responder community or has an idea that would allow first responders to do their job quicker, safer, and more efficiently, please relay your idea or capability gap to the DHS TechSolutions Program using the email link below. Submissions should be kept short to less, created in Microsoft Word, using Arial Regular 10pt font. Please include your contact information so that we may update you on the status of your submission.

TechSolutions e-mail address is techsolutions@dhs.gov.

TechSolutions is not the appropriate forum for vendors to submit product ideas. Vendors who have a technology or product idea that may be of interest to the Department should communicate their idea to the Department's solicitation proposal Web site at http://www.dhs.gov/giep/pr/ opportunities/philco/2011/17.shtml.

TechSolutions is not the appropriate forum for agencies or departments seeking grant assistance for technologies that already exist. Agencies or departments seeking grant assistance should visit www.grants.gov or contact their State Administrative Agency at www.og cry.gov/grants/my/contact_state.htm.

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TechSolutions Review Process

Start Project
Request Comes In From First Responder

2 days
Request Is Validated

10 days
Request is Vetted for Possible Solutions

3 days
Review Solution Ideas

End Project
Solution is Demonstrated (12 months from funding)

17 days
Selected Proposal Funded (60 days from request)

13 days
Review & Select Winning Proposal

15 days
Downselect Solution ideas and Request Proposals

Submitter and Technical Experts involved throughout
## TechSolutions Investments

<table>
<thead>
<tr>
<th>Customer</th>
<th>Project Name</th>
<th>Status</th>
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<tbody>
<tr>
<td>Border Patrol</td>
<td>Carrizo Cane</td>
<td>Funded</td>
</tr>
<tr>
<td>Fire Service</td>
<td>3-D Personnel Location</td>
<td>Funded</td>
</tr>
<tr>
<td>EMT</td>
<td>Ocular Scanning</td>
<td>Funded</td>
</tr>
<tr>
<td>Coast Guard</td>
<td>Biometric Identification</td>
<td>Funded</td>
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TechSolutions Investments

Carrizo Cane Eradication

3-D Location

Ocular Scanning

Biometric Identification
Technologies Under Consideration

Next Generation Breathing Apparatus

Fire Ground Compass

Interoperable Communications

Vital Sign Monitoring

Vehicle Mounted Chem/Bio Sensor Detection

Homeland Security
Questions?