

# MTEC Collaboration Database Guide

## How to: Edit Your Member Profile

### Table of Contents

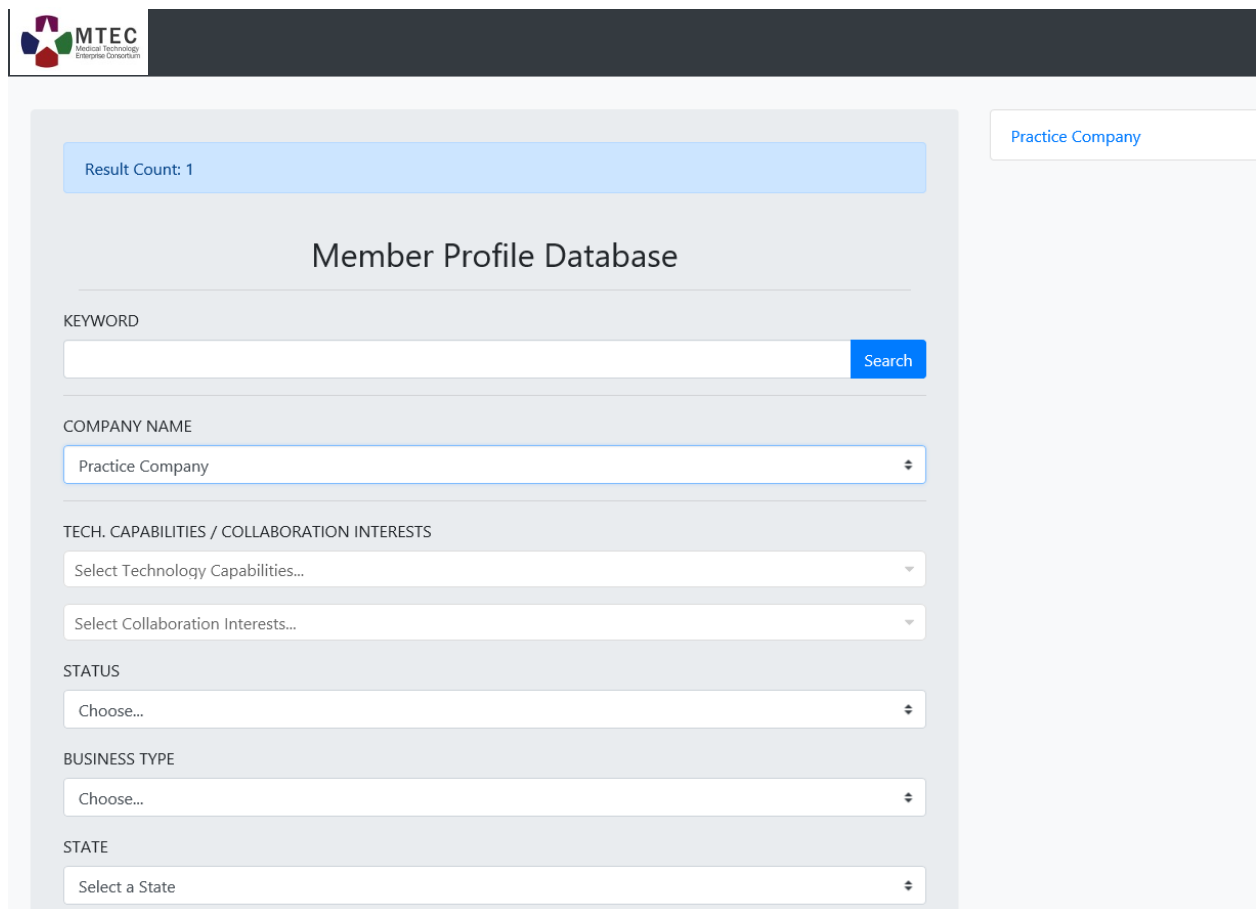
- Instructions on how to edit your profile.....Pages 2 - 5
- Examples of profiles.....Pages 6 - 8
- FAQs.....Page 9

### How to Edit Your Member Profile

Login to the MTEC Members-Only Website: <https://private.mtec-sc.org/>

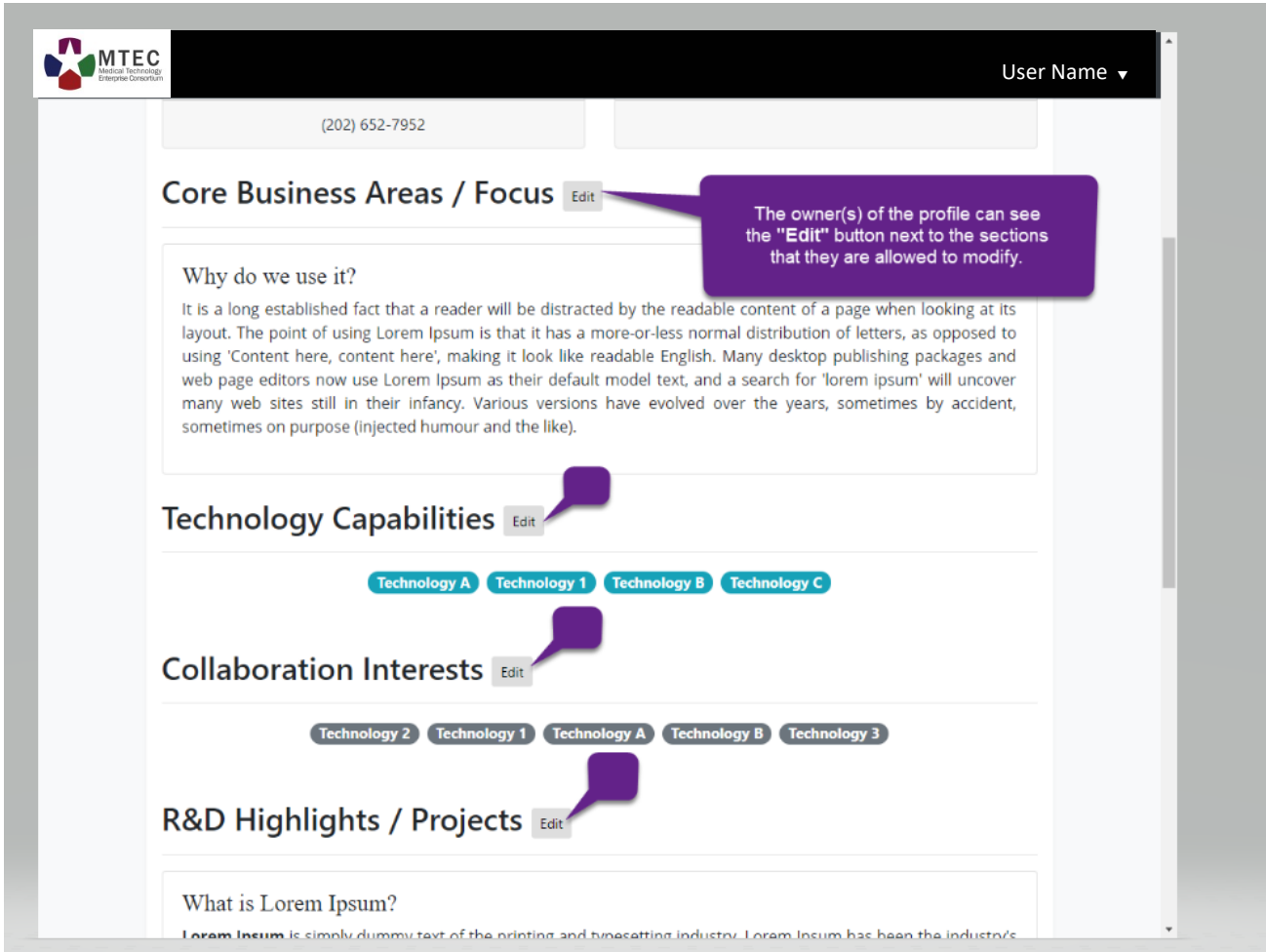
**Step 1:** Click the “Member Profiles Site” tab then follow the link

**Step 2:** Click the little arrows in the COMPANY NAME field to select your company. You can also use the Keyword Search. Your company name will appear on the right hand side. Click to open.



The screenshot shows the MTEC Member Profile Database search interface. At the top left is the MTEC logo. The main header area is dark grey. Below the header, there's a light blue box indicating "Result Count: 1". The title "Member Profile Database" is centered. The search form includes a "KEYWORD" field with a "Search" button. Below that is the "COMPANY NAME" field, which is a dropdown menu currently showing "Practice Company". To the right of this field, a small box also displays "Practice Company". Further down are two dropdown menus for "TECH. CAPABILITIES / COLLABORATION INTERESTS", both currently showing "Select Technology Capabilities..." and "Select Collaboration Interests...". Below these are two more dropdown menus for "STATUS" and "BUSINESS TYPE", both showing "Choose...". At the bottom is a "STATE" dropdown menu showing "Select a State".

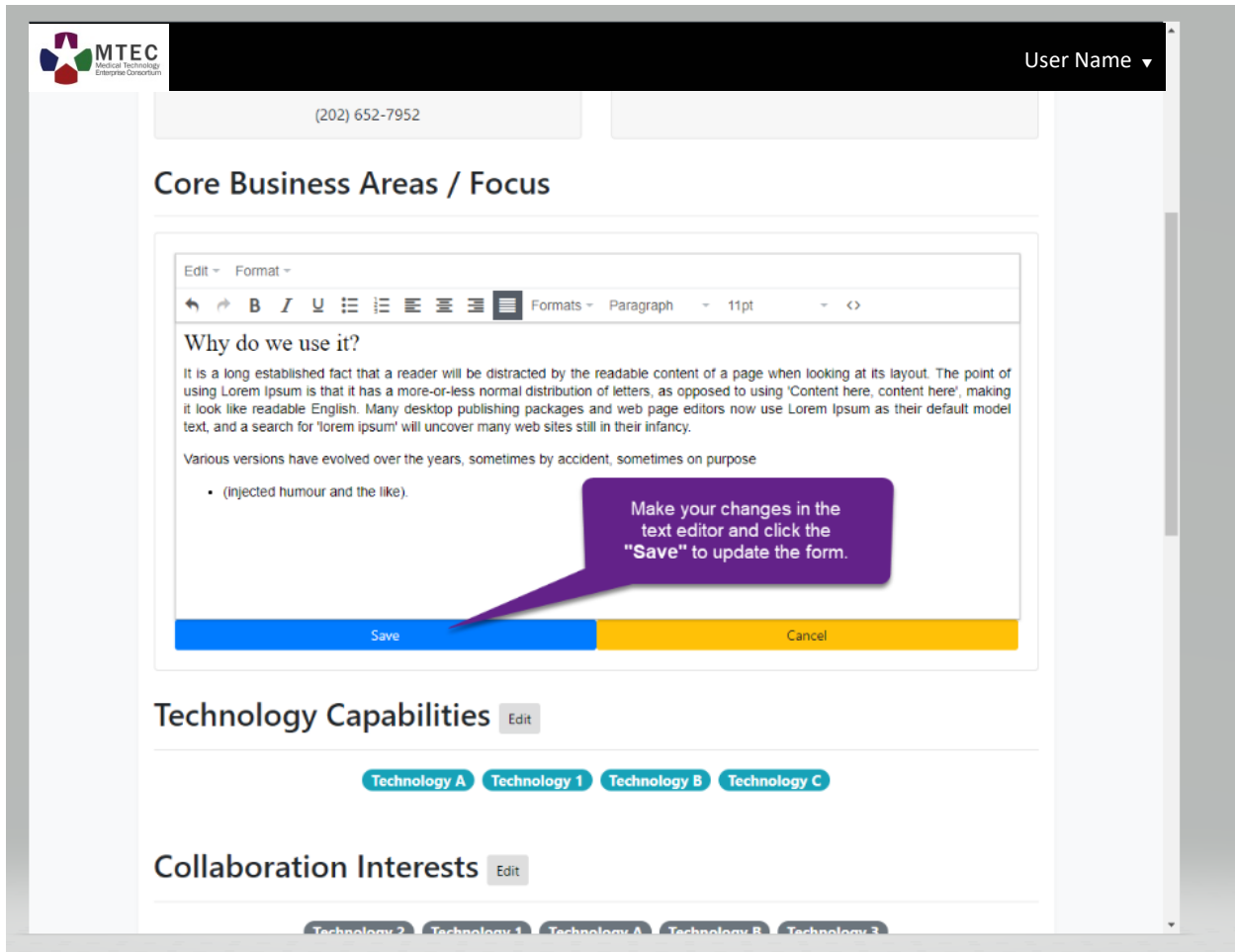
**Step 3:** Click the Edit button next to the editable fields and enter text.



The screenshot shows a web interface for editing a member profile. At the top left is the MTEC logo. At the top right is a black bar with 'User Name' and a dropdown arrow. Below this is a contact information section with a text field containing '(202) 652-7952'. The main content area has four sections, each with an 'Edit' button and a purple callout bubble pointing to it:

- Core Business Areas / Focus**: The callout bubble says, 'The owner(s) of the profile can see the "Edit" button next to the sections that they are allowed to modify.' Below the title is a text area containing Lorem Ipsum text.
- Technology Capabilities**: Below the title are four blue pill-shaped buttons labeled 'Technology A', 'Technology 1', 'Technology B', and 'Technology C'.
- Collaboration Interests**: Below the title are five grey pill-shaped buttons labeled 'Technology 2', 'Technology 1', 'Technology A', 'Technology B', and 'Technology 3'.
- R&D Highlights / Projects**: Below the title is a text area containing Lorem Ipsum text.

**Step 4:** When you are finished entering your text, click the blue save button.



The screenshot displays the MTEC Member Profile editing interface. At the top, the MTEC logo and name are visible on the left, and a 'User Name' dropdown is on the right. Below the header, a contact number '(202) 652-7952' is shown. The main section is titled 'Core Business Areas / Focus' and contains a text editor. The editor has a toolbar with options like 'Edit', 'Format', 'Bold', 'Italic', 'Underline', 'List', 'Link', 'Image', and 'Formats'. The text area contains the following content:

**Why do we use it?**

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy.

Various versions have evolved over the years, sometimes by accident, sometimes on purpose

- (Injected humour and the like).

A callout bubble points to the 'Save' button, stating: 'Make your changes in the text editor and click the "Save" to update the form.'

Below the text editor, there are two sections: 'Technology Capabilities' and 'Collaboration Interests'. Each section has an 'Edit' button. Under 'Technology Capabilities', there are four buttons labeled 'Technology A', 'Technology 1', 'Technology B', and 'Technology C'. Under 'Collaboration Interests', there are five buttons labeled 'Technology 2', 'Technology 1', 'Technology A', 'Technology B', and 'Technology 3'.

**Step 5:** To add your Technology Capabilities, Collaboration Interests, and Solicitation Collaborations Interests, click edit, select from the drop down menu options and click add.

Technology Capabilities
Edit
Click Edit for drop-down menu
Select from menu

Collaboration Interests
Edit

Solicitation Collaboration Interests
Edit

Core Business Areas / Focus
Edit

The information that you have entered into this field will be seen here.

R&D Highlights / Projects
Edit

The information that you have entered into this field will be seen here.

Technical Expertise
Edit

The information that you have entered into this field will be seen here.

### Technology Capabilities

Add Choices

Advanced Medical Technologies x Infectious Disease x

Add

Cancel

Adds the selected Capabilities to the profile.

Stop editing

### Collaboration Interests

Edit

### Solicitation Collaboration Interests

Edit

### Core Business Areas / Focus

Edit

Once complete, your profile will look similar to these Member Profiles:

Example 1
Prev 1 1 Next

## Member Organization

**PROFILE**  
 To make changes to the company information or points of contact, email [mtec-sc@atl.org](mailto:mtec-sc@atl.org)

<p><b>Humacyte, Inc.</b></p> <p>2525 NC Highway-54 Durham, NC 27713</p> <table style="width: 100%;"> <tr> <td style="width: 50%;"> <b>Company Status</b> Traditional                 </td> <td style="width: 50%;"> <b>Business Type</b> Single Entity: Small Business                 </td> </tr> </table> <p><a href="http://www.humacyte.com">http://www.humacyte.com</a> (919) 313-9633</p>	<b>Company Status</b> Traditional	<b>Business Type</b> Single Entity: Small Business	<p><b>Primary Point of Contact</b> <b>Doug Blankenship</b></p> <p>CFO 919.313.9633 x143 <a href="mailto:dblankenship@humacyte.com">dblankenship@humacyte.com</a></p>
<b>Company Status</b> Traditional	<b>Business Type</b> Single Entity: Small Business		

### Technology Capabilities

Care of Combat Casualties
Clinical and Rehabilitative Medicine
Military Operational Medicine
Advanced Medical Technologies
Biologics

Regulatory
GLP
GMP
Clinical Trials
Financing
Biologic

### Collaboration Interests

Care of Combat Casualties
Military Operational Medicine
Clinical Trials
Regulatory

### Solicitation Collaboration Interests

### Core Business Areas / Focus

Humacyte develops novel, human, tissue-based products that will be commercialized for key applications in regenerative medicine and vascular surgery. The company uses a proprietary technology platform to isolate and grow stable, "off-the shelf" human tissue replacements to pre-designed clinical and commercial specifications. Unique in their construction and composition, Humacyte's tissues can be grown as large or small diameter tubes for use in vascular surgery and potentially as sheets for patching damaged organs and tissues.

Humacyte's human acellular vessels are formed *in vitro* using banked, vascular, smooth muscle cells and then decellularized to eliminate the risk of inflammatory reactions and immunological rejection. No autologous cells from the patient are required in this process. The resulting stable product has a 1 year shelf life, and is readily available in the Operating Room environment for patients in need of vascular repair or replacement.

Humacyte's business model is to develop our products through early clinical development, and then license commercialization rights to corporate partners for further market development and commercial launch.

### R&D Highlights / Projects

Humacyte currently has multiple clinical trials underway which can be found on [Clinicaltrials.gov](http://Clinicaltrials.gov). Key trials include a late-stage Phase III global pivotal trial for vascular access, and a US-only trial as a vascular access alternative to fistula for patients with ESRD.

Humacyte is also working with US Casualty Command in a US-based trial for vascular trauma at 6 major trauma centers in the US.

### Technical Expertise

Humacyte's technical expertise includes:

- Biomedical Engineering
- Regulatory Affairs management with the FDA and ex-US regulatory authorities
- Regenerative Medicine applications
- Clinical Trial development
- Biotechnology development strategy
- Financial Management and Fund Raising

Biotechnology Process Development and Engineering

### Other Company Representatives





## How to: Edit Your Member Profile in the Collaboration Database

### Example 2

[Back To Search](#)

Prev 1 1 Next

## Member Organization

PROFILE

To make changes to the company information or points of contact, email [mtec-sc@ati.org](mailto:mtec-sc@ati.org)

<b>Critical Innovations LLC</b>	<b>Primary Point of Contact</b>
392 East Beach Avenue Inglewood, CA 90302	<b>Ross Donaldson</b>
<b>Company Status</b> Nontraditional	<b>President &amp; CEO</b> 310-500-6064
<b>Business Type</b> Single Entity: Small Business	<a href="mailto:rdonaldson@criticalinnovations.com">rdonaldson@criticalinnovations.com</a>
<a href="https://www.criticalinnovations.com/">https://www.criticalinnovations.com/</a> (310) 500-6064	

### Technology Capabilities

Drugs Devices Care of Combat Casualties Medical Simulation and Information Sciences Advanced Medical Technologies Regulatory Manufacturing GLP GMP Clinical Trials Financing Commercialization Device Drug Knowledge product Infectious Disease

### Collaboration Interests

Care of Combat Casualties Device Drug Knowledge product

### Solicitation Collaboration Interests

MTEC-17-08-Multi-Topic-0022

### Core Business Areas / Focus

**Critical Innovations LLC** is an ISO 13485 and DCAA compliant, medical research and development company focused on creating cutting-edge solutions to health threats that span pre-hospital, hospital, and military environments. The FDA-registered small business employs an iterative development methodology focused on human factors engineering to rapidly advance products.

Critical Innovations LLC has strengths in medical device, software, and therapeutic development, including experience with:

- FDA quality system regulations
- Rapid prototyping
- Manufacturing set-up and transition
- Unique challenges to military systems, environments, and program management

Critical Innovations LLC is based in Los Angeles, California and its employees frequently travel to the Washington D.C. area for government work, making them easily accessible for meetings and demonstrations.

### Example 2 Cont'd

#### R&D Highlights / Projects

##### Medical Devices

###### Donaldson Decompression Needle™

This patented technology is a universal, automated needle decompression device tailored to the battlefield environment that addresses the critical need of tension pneumothorax, a major cause of potentially preventable combat death. It is portable, lightweight, self-contained, requires no power, and can be used by a wide range of providers including EMT-Basic and lower (e.g. Combat Casualty Care, Buddy Aid). The device is a paradigm shift in both the diagnosis and treatment of tension pneumothorax. By automating the process, it mitigates the risk of iatrogenic injury to vital organs (e.g. heart, major vessels, lung) and ensures that the needle always reaches the pleural cavity. This new technology is so safe, it can even be used on a healthy lung with minimal side effects. This means it can be used bilaterally in practice, for any patient at risk for tension pneumothorax, as well as outside the traditional needle decompression "safe zones" (i.e. 2nd midclavicular and 4-5th midaxillary), to allow for easy site selection throughout most of the thorax. The minimally-invasive device rapidly results in both automatic diagnosis and treatment of this life-threatening process, while additionally being easy to secure to the chest and convert to low-profile for optimized patient transport.

###### Fast Onset Abdominal Management (F.O.A.M.)™

Under funding from the [US Army Medical Research and Materiel Command \(USAMRMC\)](#) through an Other Transaction Agreement with [Military Technology Enterprise Consortium](#), Critical Innovations is developing this innovative life-saving technology to control intra-abdominal hemorrhage in the out-of-hospital, forward surgical, and prolonged field care environments. A recent review of U.S. battlefield deaths demonstrated that around 90% of all injury mortality occurred pre-medical facility, with the vast majority of potentially survivable deaths due to non-compressible abdominopelvic hemorrhage. American military experts have declared this "a clear and persistent gap in medical treatment capability that has been present for the entire history of warfare." Severe intra-abdominal bleeding currently requires operative treatment by trained surgeons, while the patented F.O.A.M.™ technology task-shifts to allow earlier abdominal hemostasis by a wider range of providers. The product is an easily transportable medical device that can be used by non-surgeon providers within the battle area, before or during medical evacuation. F.O.A.M.™ is field-adapted for long shelf life, resorbable by the body with minimal risk for complications, and easily removable if needed for subsequent surgery.

###### PleuraPath™ Quick-Connect Chest Tube System

Critical Innovations is developing this exciting, patent-pending technology via a [Defense Health Agency \(DHA\)](#) Phase II SBIR. Thoracic trauma is one of the principal causes of combat deaths, as well as a significant cause of mortality among civilians. Tube thoracostomy (the placement of a chest tube into the pleural space) is the definitive treatment for the majority of severe torso injuries, as acknowledged in U.S. Tactical Combat Casualty Care (TCCC) guidelines. This new medical device eliminates many of the problems with traditional tube thoracostomy, with improved device safety, reduced chances of infection, and the ability to perform the procedure in environments where maintaining a large sterile field is difficult, such as the battlefield.

###### BurRapid™ Intracranial Access Platform with QuickICP™ and QuickVentric™ Attachments

Critical Innovations is developing this patented technology through [Defense Health Agency \(DHA\)](#) Phase II SBIR funding, a paradigm-shifting medical device that immediately advances state-of-the-art Traumatic Brain Injury (TBI) care while providing a platform for future integration of additional devices and advanced technologies. BurRapid™ seeks to make emergent neurosurgical procedures (e.g. extra-axial hematoma drainage, invasive ICP monitoring, ventriculostomy) easier to perform, while allowing task shifting to a wider range of medical providers in addition to neurosurgeons. The simplified system will be able to stabilize and monitor TBI casualties, by mitigating and preventing secondary brain injury from increased intracranial pressure (ICP). Although such surgical procedures are well-established and evidence-based interventions for moderate-to-severe TBI, they were previously only available from a neurosurgeon in a controlled hospital environment. The streamlined, ruggedized, portable, and field-deployable BurRapid™ system allows these life-saving surgical techniques to be task-shifted to earlier echelons of care.

##### Medical Software

###### Assisted Informatics and Decision Support for Medics (AID-Medic)

Critical Innovations is assisting [Perceptics Solutions](#) on this Office of Naval Research (ONR)-sponsored Phase II SBIR project addressing the important problem of information overload during Mass Casualty Incidents (MCIs) for the Navy's Hospital Corpsmen, other military pre-hospital personnel, and civilian EMS. The AID-Medic system includes a Artificial Intelligence (AI) back-end resource allocation software system that links to a stand-alone mobile app or standard ePCR. It additionally connects in real-time to other information sources, hospitals (e.g. HAVEd software), Multi-Agency Coordination (MAC) systems, traffic data, and public health, to directly initiate MCIs in the field and automatically provide patient destination guidance and notification.

###### Machine Learning & Medical Predictive Algorithm for Medical Applications on End User Devices (PAL-Medic)

Critical Innovations is a subcontractor to [Perceptics Solutions](#) on this SBIR Phase II from the [US Army Research, Development and Engineering Command \(RDCECOM\)](#). This technology is an integrated mobile application that will provide critical support to Army combat medics and civilian paramedics during out-of-hospital patient care, while additionally enhancing the subsequent care process. It includes the application of advanced AI-based machine learning algorithms in combination with available procedural and medical databases to provide medics with instantaneous medical alerts, predictions of patient condition, applicable care guidelines, and recommended medical courses of action. The system will run on both US Army PEO Soldier NETT Warrior Android/End User Devices and commercial systems.

##### Medical Therapeutics

###### Nanostasis™ Intravenous Agent for Traumatic Hemorrhage Control

Critical Innovations is developing this traumatic hemorrhage treatment under a U.S. Army Phase I SBIR, in conjunction with subcontractor Cayuga Biotech. Nanostasis™ is a novel systemic therapy for out-of-hospital management of combat-associated, non-compressible traumatic hemorrhage starting at the point-of-injury through en route care and beyond. Its novel platelet-like nanoparticles are an ideal intravenous treatment to halt hemorrhage in the far forward combat environment. The final product will not only have innovative hemorrhage-stopping properties, but also be easily transportable (e.g. small volume, no special storage requirements, shelf-stable for long periods under environmental extremes) and easily administered in the operational environment with a straightforward plan for practical combat deployment.

###### Succor™ Quick-Relief Antibiotic Foam

This innovative, life-saving intervention prevents and treats wound infection, a significant cause of morbidity and mortality among U.S. uniformed personnel. Although personal protective equipment and trauma care have improved combat survival, burns and other injuries in the deployed environment continue to be at high risk for infection, including with multi-drug resistant bacteria. Succor™ fills a known need for infection prevention and treatment of medium- and large-size wounds, starting at the point-of-injury. The new product is field-adapted with long shelf-life and temperature tolerance; rapidly conforms to wound surfaces; reduces wound pain; intrinsically prevents bacterial adhesion and biofilm formation; inhibits resistance mechanisms in multidrug-resistant bacteria; delivers a wide range of antibiotic coverage; prevents dressing adhesion; is easily washed away; and, uses components already FDA-approved for multiple applications.

#### Technical Expertise

- Combat Casualty Care
- Critical Care
- Damage Control Resuscitation
- Emergency Medical Services
- Emergency Medicine
- Prolonged Field Care
- Trauma Care
- Traumatic Brain Injury

#### Other Company Representatives

[Back To Search](#)

## Example 3

### Member Organization

[Prev](#) | 1 | [Next](#)

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PROFILE

To make changes to the company information or points of contact, email [mtec-sc@atl.org](mailto:mtec-sc@atl.org)

<p><b>Design Interactive, Inc.</b></p> <p>3504 Lake Lynda Drive Suite 400 Orlando, FL 32817</p> <table style="width: 100%;"> <tr> <td style="width: 50%;"><b>Company Status</b> Traditional</td> <td style="width: 50%;"><b>Business Type</b> Single Entity: Small Business</td> </tr> </table> <p><a href="http://www.designinteractive.net/">http://www.designinteractive.net/</a> (407) 706-0977</p>	<b>Company Status</b> Traditional	<b>Business Type</b> Single Entity: Small Business	<p><b>Primary Point of Contact</b> <a href="#">Luke DeVore</a></p> <p>Vice President, Business Development (910) 685-6088</p> <p><a href="mailto:luke@designinteractive.net">luke@designinteractive.net</a></p>
<b>Company Status</b> Traditional	<b>Business Type</b> Single Entity: Small Business		

#### Technology Capabilities

Devices
Care of Combat Casualties
Clinical and Rehabilitative Medicine
Military Operational Medicine
Software
Knowledge product

#### Collaboration Interests

Medical Simulation and Information Sciences
Advanced Medical Technologies
Care of Combat Casualties
Device
Biologic
Software

Regulatory
Commercialization

#### Solicitation Collaboration Interests

#### Core Business Areas / Focus

A WOSB specializing in human factors engineering we strive to optimize human performance by pairing advanced technologies with human-centered design. We have three specific divisions:

eXtended Realities (XR): This Division focuses on the use of virtual, augmented, and mixed reality technologies to accelerate human performance in training and operational domains. We combine excellent XR software development competencies with our understanding of user-centered design, training sciences, and customized XR pedagogies to deliver effective solutions. This Division manages our portfolio of Medical Augmented Reality work.

Biosignature Analytics (BSA): This Division focuses on the collection of physiological data via wearable devices, eye-tracking, and other methods and the development of algorithms that classify that data into objective measures of cognitive and emotive state such as stress, engagement, pain, fatigue, resilience, etc..

Performance Augmentation: This Division represents our core human factors competency with a focus on understanding human performance gaps and training needs, designing appropriately scoped solutions, and objectively evaluating the interaction of humans with training systems, operational systems, and operational environments.

#### R&D Highlights / Projects

Objective Stress Measurement and Integration into a Cognitive Behavioral Therapy Supplemental Tool

Objective Stress Measurement as a Human Performance Metric in Live Training Environments

Medical Augmented Reality Portfolio for TC3

Predictive Mental Readiness Based on Sleep and Behaviors

Video Capture and Hyper Intuitive Performance Assessment of Instructors

#### Technical Expertise

Human Factors Engineering, Human Systems Integration

Physiological Assessment / "Biometrics"

Augmented and Mixed Reality

Training Analysis, Design, and Development

Training Effectiveness Evaluations

User Experience Design

Biomedical Engineering

#### Other Company Representatives

<a href="#">Sara Dechmerowski</a> <small>sara@designinteractive.net</small>	<a href="#">Erin Baker</a> <small>erin.baker@designinteractive.net</small>	<a href="#">Chris White</a> <small>chris.white@designinteractive.net</small>
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## FAQs

**1. Why can't I see the "edit" option when I'm in my profile?**

You do not have the correct permissions to edit. You must be a Primary POC to edit the profile.

**2. Why can't I edit any of my company information?**

Company information and points of contact can only be edited by MTEC administrators. Email updates to [mtec-sc@ati.org](mailto:mtec-sc@ati.org).

**3. I am unable to login to the MTEC Members-Only site. How do I gain access?**

Company Primary POCs authorize access to the MTEC Members-Only site. Email [mtec-sc@ati.org](mailto:mtec-sc@ati.org), and we'll reach out the Primary POC on file for your company to help you gain access to the site.

**4. I don't see a particular Capability or Interest available in the drop-down menu. How can I list this in my profile?**

Use one of the free form text fields to list anything you wish to share with members of MTEC.

**5. Who can see the information in my profile?**

Anyone with MTEC Members-Only site access can see the information in your profile. Please do not put proprietary information here.

If you have any questions, please feel free to email [mtec-sc@ati.org](mailto:mtec-sc@ati.org).