

TRX Systems, Inc.



LOCATE. MAP. TRACK. INDOORS.

Greenbelt, MD

www.trxsystems.com

301-332-5374

SINCE ITS FOUNDING IN
2006

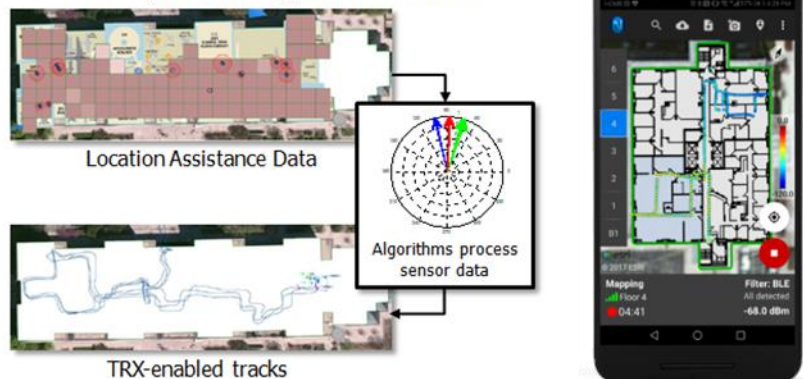
17 SBIR Awards

20 Employees

N/A Socioeconomic Categories

27 US Patents

Seamless Tracking and Mapping in GPS-Denied (In-Building) Environments

Mobile Personnel Tracking and 3D mapping in
GPS-denied areas

Military, first responders, and security personnel face danger every day in urban areas, buildings, caves and densely forested areas where GPS is not reliable or is unavailable.

TRX developed the NEON System — which operates on an Android End User Device - to deliver location and mapping in these denied areas. NEON allows personnel to navigate, delivering improved situational awareness, and supporting mapping of signal and sensor data. Personnel Tracker delivers 3D GPS-denied location for public safety, industrial, and military applications, and supports an ATAK plugin for military dismount users. NEON Signal Mapper supports rapid mapping of radio, LTE, WiFi, radiation and other sensor data.

IMPACT TO THE MISSION

Ability to operate in GPS-denied locations, including indoor, underground, and intentionally denied, have been identified by both DoD and NIST as a technology priority. The handheld nature of this technology limits the burden for warfighters and first responders, providing a low-SWaP system that delivers safety and situational awareness in denied environments.

BEYOND PHASE II

The TRX NEON technology has been fielded to several thousand end users and hundreds of organizations. NEON was integrated into the DARPA SIGMA program to track and map sensor data for radiation sources. NEON was fielded by DHS to improve safety and situational awareness at Super Bowl LI and at the NBA All Stars game, and is delivering 24x7 situational awareness for customers securing critical infrastructure. NEON has been used and validated at exercises at NY Grand Central Terminal, Port of Houston; and DoD - SOCOM TE-16-3 and Thunderstorm 18-2. TRX products are distributed by Motorola Solutions, Federal Resources, Anritsu, Viavi, Keysight and Blacktree, and NEON is delivered both directly and through partners for dismount military users and systems integrators. TRX has also raised \$3M in venture funding.

Solicitation:

*Handheld Apps for Warfighters***DARPA** SBIR Sponsor**SB102-002** Topic Number**New Capability** Primary Innovation**Operability, Usability** Secondary Innovation

This research was developed with funding from the Defense Advanced Research Projects Agency (DARPA). The views, opinions and/or findings expressed are those of the author(s) and should not be interpreted as representing the official views or policies of the Department of Defense or the U.S. Government.” (Approved for Public Release, Distribution Unlimited 4/15/19)