

TiaLinx, Inc. Announces Launch of Phoenix50-H, A Multi-Sensor Mini-Copter with an Extended Remote Landing Range and Reporting Capability to Detect Occupancy in a Compound.

Newport Beach, CA – May12, 2011-TiaLinx, Inc., a pioneering developer of remotely controlled mini-unmanned aerial and ground vehicles integrated with ultra wideband miniaturized radars, today announced the launch of the Phoenix50-H. The quad coaxial mini-copter system is capable of performing multiple functions such as detecting movement or breathing of a hiding person in a compound from a sloped roof. The mini-copter can be remotely controlled at extended standoff distances of more than multiples of 100 feet from ground or an airborne asset to keep the operators out of harm's way.

The lightweight and agile mini-copter with programmability to fly to or land at multiple waypoints has been integrated with TiaLinx's fine beam ultra-wideband (UWB), multi-Gigahertz radio frequency (RF) sensor array. An onboard microphone and video camera augment the sensor capability of Phoenix50-H. TiaLinx's advanced real-time and light weight UWB RF imaging system was an essential step in the development of Phoenix50-H to operate at high elevations for prolonged missions. The transmitted power of the UWB signal is less than a typical cellular phone.

Through a software controlled interface which is integrated into a laptop or joystick controller unit, Phoenix50-H can be remotely guided from extended distances to perform mission critical tasks. Innovations in mechanical design of the system allows for smooth landing and take-off from sloped roofs. This advanced feature allows for monitoring a premise under surveillance for enhanced situational awareness or rescue operations of hard to access buildings.

The ultra light weight RF Scanner is mounted on a lightweight mini-copter and transmits wideband signals that are highly directional and can penetrate roofs at an extended range. In the receiver, a signal detector circuit is employed to capture the reflections from targets. Amplitude and delay information are then processed in an integrated signal processor.

"Users' feedback from our past evaluations indicate that a remotely controlled system at an extended range from an operator point of view is essential for safety and completion of a critical mission. Phoenix50-H's introduction is intended to provide another breakthrough in miniaturization of advanced life detection sensors in compounds and to keep the operators at least few hundred feet away. Combined operations of Phoenix50-H and its sister product Cougar20-H enable scans of a multi-story building from air and land remotely." commented Dr. Fred Mohamadi, Founder and CEO of TiaLinx. "TiaLinx is constantly miniaturizing and upscaling its UWB RF imaging core competence to enable extended standoff sensing of a premise for enhanced situational awareness without jeopardizing the operator."

About TiaLinx, Inc.

TiaLinx, Inc. is a privately held company that develops advanced electronic modules with very small form factor, highly integrated functionality and advanced performance for wide range of military and commercial applications. Utilizing its 41 granted patents and many more pending patent applications, specifically related to the on-chip and wafer-scale beamforming and phased arrays, and high-power miniaturized V-band power amplifiers and transmitters, the Company is uniquely positioned to supply robust RF Imaging devices economically by enabling revolutionary advancements in semiconductor and sub-system designs.

Since 2006, TiaLinx has received 7 Phase II and CPP awards from various government agencies.

TiaLinx was ranked as one of the top 3 companies performing advanced research projects sponsored by the Defense Advanced Research Project Agency (DARPA) during the DARPA Tech 2005.

The Company was selected as recipient of U.S. Army's Commercial Pilot Program award in 2009. Twenty five companies were selected out of the 487 recipients of the phase II awards. Within the top twenty five companies selected, TiaLinx was the only recipient with the advanced radio frequency imaging technology for sense-through-the-wall applications.

TiaLinx was also the recipient of the 2010 Defense News Technology and Innovation Award for its Eagle5-P product selected by a panel of experts who recognized recent advances in defense technologies by U.S. companies and defense agencies. In all, the panel considered more than 80 nominations of products that came to market last year.

On December 2010, VME and Critical Systems recognized the high-power V-band transmitter and receiver of TiaLinx as Editor's Product of Choice.

Live performances of TiaLinx's products have been captured by Microwave Journal, extensively by the History Channel, and Reuters.

For further information and to view the test clips, please visit the Company's website at www.TiaLinx.com.

For press release details and high resolution pictures and MPEG2 clips please contact Ann Thum at: pr@TiaLinx.com, or call (949) 748-7575.