



# September 2016 Newsletter

Volume IV Issue 9

## Van Cleve & Associates, Inc.

Security & Surveillance Technologies

Vanguard Products, Clever Solutions

Van Cleve & Associates, Inc.'s monthly newsletter is intended to keep you, our valued customer, up to date with announcements regarding our latest products and technologies, upcoming exhibitions and conferences, and other news and events in the security and surveillance industry.



## Product News

### Van Cleve & Associates Wins MITRE C-UAS Challenge!

DroneRANGER Places First in Two of Three Categories, including Best End-to-End System

On September 8, 2016, Van Cleve & Associates was declared the winner of the MITRE C-UAS Challenge. The product that was submitted, the DroneRANGER, was awarded the Best End-to-End system, as well as the Best Detection and Determination system.

The challenge first involved white paper submittal, which occurred around the beginning of this year. Of the over 40 white papers that were submitted, MITRE selected 8 finalists, who then made presentations to the MITRE team in May. In August, live flight tests took place at the Urban Training Center at Quantico. This involved each group deploying their system at the UTC, and then MITRE presented four sorties over two flight windows for each finalist. Two of the sorties represented casual drone users' accidentally entering restricted airspace, while the remaining two represented real-world threats using advanced tactics with malicious intent.

VC&A's submittal, the DroneRANGER, is a system out of Europe that combines a Ku-Band radar with an RF jamming system on a pan/tilt platform to provide a fully automatic drone detection and interdiction solution. The radar detects the drone and transmits that data to the jammer. The radar information is displayed in a user-interface, which displays the radar information on a map and identifies the target, along with providing additional information such as speed and altitude. Additionally, a dual visual/thermal camera system mounted on the radar provides visual verification of the target. The jamming system automatically positions itself onto the drone, and then, either automatically or upon manual command, activates its jammers to interdict the target.

Check out the MITRE press release at: <https://www.mitre.org/news/press-releases/mitre-names-c-uas-challenge-winners>



### Louroe Intelligent Audio Analytics System

- Unattended Audio Monitoring for Gunshots, Aggressive Speech, Glass Breaking, & Car Alarms
- PoE Powered / Weather & Vandal Resistant Enclosure
- Constant 360° Audio Monitoring over Large Areas
- Easy Installation on most city Utility Poles or Walls
- Sends Notifications to Network or Connected Devices



### Ultra Electronics Launches HyperSpike HS-10 Portable Acoustic Hailing Device

- Peak Acoustic Output of 144dB / Communication range of 750m+
- Provide Unmistakable Commands & Piercing Alert Tones
- Analog Line Input / Control via Phone App
- Mic Input with Live & Record/Play Features
- Fixed & Portable Units Available



Please contact VC&A for additional information on these or any of our products, or to schedule a demo.

## Other News & Notes

### Unmanned Security Expo at ISC West

A new addition is coming to ISC West in 2017, an Unmanned Security Expo. Focusing on aerial drones & ground robotics for security applications, the new section will include a fully functioning flight cage, which will host daily technology demos on the show floor.

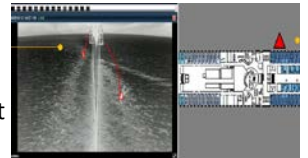


### Upcoming Tech Show at Ft. Belvoir

VC&A will be exhibiting at a technology tradeshow at the Ft. Belvoir Officer's Club on Thursday **October 20<sup>th</sup>**. Registration is not required and the event is free to attend. Come by and see our latest and greatest! For more info contact VC&A.

### PureTech: Man Overboard Detection System

- Automatic Detection of Man Overboard Events
- Utilizes Overlapping Thermal Cameras
- Fall Origin Guidance / Reports Event Lat. & Long.
- Alarm & Video Retention & Review
- Advanced Video Analytics Filter Background Motion
- Very Low False Alarm Rate
- Instant Video Validation of Event



Van Cleve & Associates, Inc. is a small, woman-owned security & surveillance equipment integrator/distributor located in Alexandria, VA. With over 19 years' experience & more than 40 vendor relationships, VC&A has the technology & expertise to assist with any & all law enforcement requirements. Contact us today for more information or to schedule a demo of any of our equipment.

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