

# Mission Critical Wireless Connectivity

## WIRELESS SOLUTIONS FOR FORCE PROTECTION

With the increase in today's modern IT mobility requirements as dictated by the Federal Government, first-responder teams and military units on the front lines need to have the ability to have fast and reliable communications. This has become a mission critical necessity and a Force Protection mandate. **ALTIVUS** understands that the increasing desire for secure high-speed connectivity at any given moment is continually growing and is not only a demand but it is becoming a flat out necessity. We believe that with the accelerating demand for broadband access around the world and lack of infrastructure, there remains a formidable barrier to addressing customer needs to which broadband wireless networks will increasingly provide the solution.

**ALTIVUS** has teamed with best in breed vendors to provide the right solution for the right environment. Whether it's backhauling data over distances up to 120 miles, with bandwidth requirements up to 300Mbps, or trying to connect two sites with near or non-line of site, **ALTIVUS** cannot only provide the solution, but will exceed any and all expectations.

Our wireless engineers have researched and tested numerous platforms and have selected the most prominent and leading partners available today on the market. With the ability to operate in the un-licensed spectrum throughout the 5 GHz band, and extending functionality into 2.4 GHz, Public Safety in 4.9GHz, and the recently opened specialized military 4.7 GHz band, **ALTIVUS** can provide solutions that include radios with performance and security in mind.

Point to Point bridges can deliver up to 5-9's of availability in non-line-of-sight environments, across long-distance line-of-sight paths or over water and open terrain, even in extreme weather conditions, due to the unique combination of OFDM technology and MIMO antennas.

And when you need licensed microwave technology, **ALTIVUS** has a solution set that is comprised of the top rated manufacturers in the world. **ALTIVUS** holds platinum reseller status with Motorola, Redline Communications and Ceragon Networks, all of which can be found on our GSA schedule. In addition, we have certified and dedicated technicians available to provide complete wireless network solutions supported by comprehensive network management software and world-class field services. Our digital microwave radios are built to last, delivering exceptional reliability and guaranteed operation and meeting the most stringent requirements, regardless of climate or terrain.



With today's ever-changing mission, forward deploying military teams and emergency response organizations have become essential to the safety of our lives. Critical missions are constantly challenged to securely connect with and extend the reach of their backend secure wired networks. Providing necessary access with enough usable uplink, along with secure connectivity to mandatory systems for users across long distances and remote outdoor locations is one of many limiting factors in deployed operations' ability to effectively achieve their objectives. A traditional wired approach is just not practical, and in many cases, such as disaster response or working in conflict areas becomes impossible. Further, knowing that these devices are critical infrastructure elements and employed in harsh outdoor environments for months or years at a time, they must be extremely durable, weatherized, and easy to configure and maintain.

**ALTIVUS** has teamed with best in class partners to provide secure, net-centric, high-speed wireless communications to the tactical edge, providing voice, video and data communications to on-the-move war fighters and vehicles in the field. Delivering FIPS 140-2 & 256 AES compliant security along with industry leading rugged housings that are specifically tailored to be operated in the harshest of environments, **ALTIVUS** is prepared to assist on the irregular warfare battlefield.

**ALTIVUS**, has extensive experience with bringing the entire solution to theater. We will manage the entire supply chain process from the radios, to the antennas, extendable masts and all the accessories that are needed to install a highly secure and reliable wireless link.



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