

Breakthrough Technology For

Real-Time Diver Health Monitoring



Do you want to be able to use health-monitoring equipment underwater in real-time? Saltenna provides novel agnostic antennas for machines, such as dive watches, monitoring cuffs, etc., which allows them to communicate underwater in real-time. Real-time tracking and measurements of diver performance is an integral component to safe and effective missions. However, traditional communication techniques, such as acoustics, optical communications, and conventional radio-frequency (RF) communication is not reliable and underperforms in a wide-variety of situations while underwater.

For solving problems which were previously thought of as impossible, Saltenna has since been dubbed a significant contributor to the 4th Industrial Revolution' by our ability to connect machines together deep underwater, and to those above, and at distance. We have successfully achieved novel high bandwidth wireless radiofrequency (RF) underwater in machines of various types. From live streaming high-definition video systems to simple voice & data systems, and anywhere in between, we can increase the performance to machines previously restricted by laser and acoustic technology. Improve effectiveness and efficiency 10-100 times more. Let us show you the difference that only Saltenna RF can achieve, complimentary in your applications from seafloor to space. Where you cannot sense, scan, or communicate, we can!

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How can we work together in advancing your product, today?"

Whether you need to add 10, 10k, or 1000k bits per second of data to your submerged oil & gas riser pipe, improve the WiFi reliability inside of your semiconductor vacuum chamber, communicate deep into your mine shaft, provide WiFi to rural areas, sensors/RADAR underwater, or even control an underwater swarm of UUVs, we can help!

Demos of Saltenna's plasmonic technology are available; please come take a look or set up a discovery meeting!

Customers helping us progress these capabilities into further commercial and government applications: U.S. Special Operations Command (USSOCOM), Defense Threat Reduction Agency (DTRA), Defense Advanced Research Projects Agency (DARPA), Oil & Gas, Semiconductor, etc.

Customer Testimonials: "Novel, differentiated, and superior technology (USSOCOM)," "High bandwidth and non-line of sight transmissions (USSOCOM)," "Game changing technology for communications (USSOCOM)," "Biggest breakthrough in electromagnetics in 60 years (DARPA),"

"Major accomplishment in the field of underwater/alternate transmission communications (USSOCOM)"

