

Breakthrough
Technology For

Plasmonic Radios: Communication Underwater, Underground, Jungle Canopies, and more



"Novel Underwater RF Machines": Have you needed to transmit or receive large amounts of data (incl. imaging/video/AI-ML/RADAR/sensing) in difficult environments such as underwater, underground, or within dense canopies (urban or jungle)?

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 (or even provide for the first time in history) 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!

"Terrestrial Novel RF Machines": How about in underground, dense urban, heavily forested, metal containers, and in other restrictive environments (e.g., even limited 5G)?

Saltenna can transmit WiFi, etc. where conventional WiFi or lesser communications fail by moving along surfaces those others cannot (e.g., sea surface, metal beams/pipe/rail, underground ground layers, or any 'conductivity mismatches').

"Novel Other: 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 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)," "The Holy Grail (commercial RADAR company),"

Technical POC:
Administrative POC:

Igor Smolyaninov
igor.smolyaninov@saltenna.com
Mark Barry
mark.barry@saltenna.com

