# INTELLIGEN THE ANY DOMAIN.

### The Challenge:

Fi

COMMUNICATIONS IN CONTESTED AND DENIED, DEGRADED, INTERMITTENT, LATENT ENVIRONMENTS

Using radio frequency (RF) communications in contested and DDIL environments poses significant operational risks due to its susceptibility to interception and jamming by enemy forces. Furthermore this permits the identification, targeting and kinetic action against personnel and equipment in a near peer fight. This reliance on radios and other RF-emitting equipment is a significant risk a modern battlefield as communications on the move becomes critical to battlefield Command and Control.

## The Solution:

LIGHT FIDELITY, HIGH SPEED WIRELESS DATA TRANSMISSION WITH NO RF SIGNATURE LiFi is a wireless connectivity solution that uses visible and infrared light to pass data through the open air with zero RF signature enabling LPI/LPD communications between aircraft, vehicles and between networked end user devices. LiFi wireless networking systems can address some of the primary concerns for DoD Special Operations and Intelligence Community users who currently employ RF solutions during military operations.

#### Use Cases:



**Maritime:** LiFi eliminates RF signals reducing the risk of detection during maritime operations in the water or over the beach between craft and communications kits deployed forward post landing operations.

**Air:** By utilizing wingtip lights, SOF forces can communicate without emitting radio frequency (RF) signals reducing the risk of detection and allows for high-speed data transmissions enhancing situational awareness and operational effectiveness.



**SCIF Communications:** Multi-Classification wireless for end user devices in tactical environments & LPI/LPD communications on the move or for tactical operation centers enable rapid deployment and tear down of equipment for re-deployment.

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