

VANTAGE LABS



Governments around the world employ an increasingly effective set of technical tools, referred to as ubiquitous technical surveillance (UTS), to monitor domestic and foreign populations. Technical sensors, data collection, and data analysis penetrate deeply into who we are, where we go, and what we do. **Ridgeline International** offers industry-leading services that help customers identify and visualize their digital signatures, validate techniques, and plan and prepare for operations in modern UTS environments.

Vantage Labs leverage Ridgeline's unique enterprise collection and analysis platform, *Vision*. The *Vision* platform offers nation-state and industry visibility into Internet Service Providers (ISP), Mobile Network Operators (MNO), mobile applications, smart vehicles, and Internet-of-Things (IoT) services. Customers gain deep insight into their digital signatures, enabling fact-based operational decision-making.

VANTAGE LABS: CONSULTATION

Technical consultations provide customers with individual or group training, device configuration, and mission planning. RI signature management experts assist customers with pinpointing operational risk, assisting with procurement of technology, and configuring that technology to reduce threat surfaces and digital dust. Ridgeline offers four tiers of consultation: legal, infrastructure, financial, and technology (LIFT) for building operational infrastructure; Mission Technology Solutions to plan and prepare for specific operations or deployments; and individual consults to prepare officers for temporary duty assignments (TDY), permanent change-of-station (PCS), or improved digital security at home in the U.S.

VANTAGE LABS: SIGNATURE VALIDATION LAB

Ridgeline's Signature Validation Lab (SVL) conducts investigations that allow individuals, groups, or entities to validate whether their technologies and mitigation strategies project the desired digital signature. These highly tailored investigations range from confirming that an individual's device configuration produces the expected signature, to risk assessments of specific software (commercial messaging apps, VPNs, routers, etc.), to a top-to-bottom look at a vendor within a supply chain. SVL produces white papers, Application Hazard Reports, forensic analysis, and interdisciplinary risk assessments for all of the above scenarios. SVL's technical analyses, combined with open-source reporting and commercial due diligence, provide unique insight into the impact that specific tools and techniques have on mission effectiveness.

VANTAGE LABS: FIELD INSIGHTS

Ridgeline supports field exercises with visualization and in-depth analysis of digital signatures, using the proprietary methodology and proven algorithms of our *Vision* product. We dial the threat level to customer specifications to replicate the data collected and exploited by infrastructure providers, Internet-based services or applications, third-parties, or hostile nation-states. In detailed written reports, our subject matter experts turn data into specific, actionable insights that inform operational use of technology. Insights may be scoped to include white, red, and blue cell services. Insight events can augment an established exercise or be wholly planned and executed by Ridgeline.

