EDGE VELOCITY™ CORPORATION

EDGE INTERLOCK™

DATACAST TECHNOLOGIES

DIANA Verifactor™

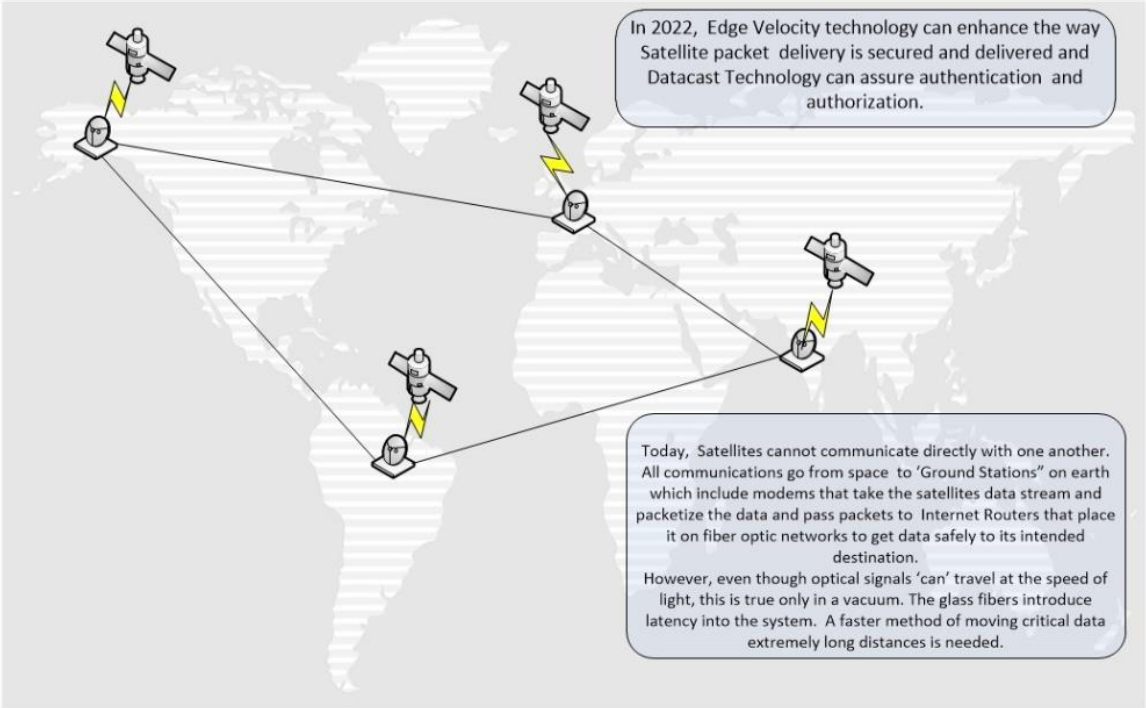
Edge Velocity Enhances Satellite Solutions

Edge Velocity's flagship product, Edge Interlock™ is proven and patented communication software that uniquely uses industry standard (RFC) protocols combined with proprietary data transmission and verification technology to give uninterrupted connectivity where other technologies fail. Edge Velocity software can be combined with most white box or bare metal industrial hardware to enable standards based L2/L3 communication to previously 'closed' and exclusive systems. Edge Velocity is capable of integrating with any existing IP v4 or v6 platform or manufacturer by building or leveraging any REST gRPC GO API; adding functionality of full 64-bit Linux, SASE components (SD-WAN, NG-FW, Bandwidth Aggregation, Secure Web Gateway, DNS), docker containers and VMs supporting digital transformation, unlocking the IoT potential from legacy systems to a full autonomous distributed intelligent edge network.

Edge Velocity's patented technologies include true multi-mesh capabilities replicating full-duplex; data-path route optimization, transmission and validation of data and data paths prior to failover and a stateful persistence protocol for encrypted and secure communications at the network edge (failover and failback of VPN application resilience). These capabilities coupled with an agnostic approach to front-and back-haul options provides a turnkey gateway solution that instantly scales to 5G capabilities (wireless, wireline, satellite, fiber, legacy infrastructure) and provides intelligence at the edge of the network coupled with the uptime now required in today's markets - 99.999% "always on availability regardless of environmental difficulty, bandwidth/data demand, or technological hurdles.

The next generation of all communications platforms will have security as its foundation. Since its inception, Edge Velocity has contracted with government agencies and always used the latest cryptography to ensure confidentiality.

The State of Satellite Internet Communications Today

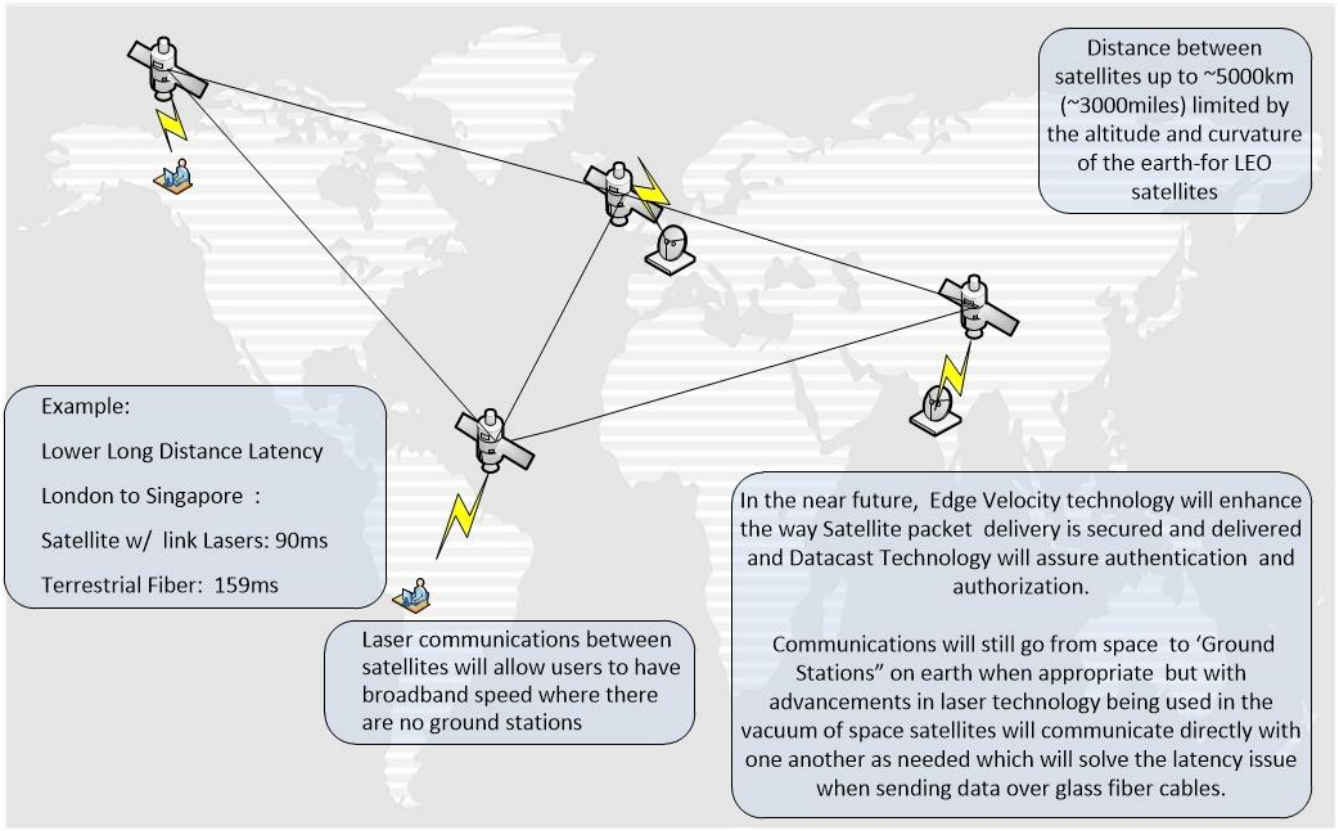


However, the nature of next gen networks will have an exponentially greater number of end-point devices to lock down. It is this reason that Edge Velocity teamed up with Datacast Technologies, Inc and their Diana Verifactor™ ZTNA (Zero Trust Network Access) authentication and NAC (Network Access Control) software based on multicast technology. Edge Interlock™ and Diana™ protocols together provide many of the SASE components required for next generation networks and Industrial Internet of Things (IIoT).

Satellite ground stations require high availability and Edge Interlock™ Multi-Mesh and MeshVPN solutions are great tools for building out the terrestrial network required by satellite deployments. These technologies not only provide for WAN redundancy, failover and load balancing but also provide data-path optimization and a secure mesh overlay onto existing networks or create a wireless mesh if needed.

As we go forward, the advent of laser communication in space brings significantly less latency and superior throughput vs long fiber hauls and therefore makes satellite possibly the home of the next generation Internet. As standards for this communication are determined, the open architecture of Edge Interlock™ routing and Diana™ ZTNA authentication architecture together will be ready to secure not only terrestrial but also the new Internet in space.

Satellite Internet with Inter-Satellite Laser Communications



Source: https://www.youtube.com/watch?v=7aL5fRjkjcI