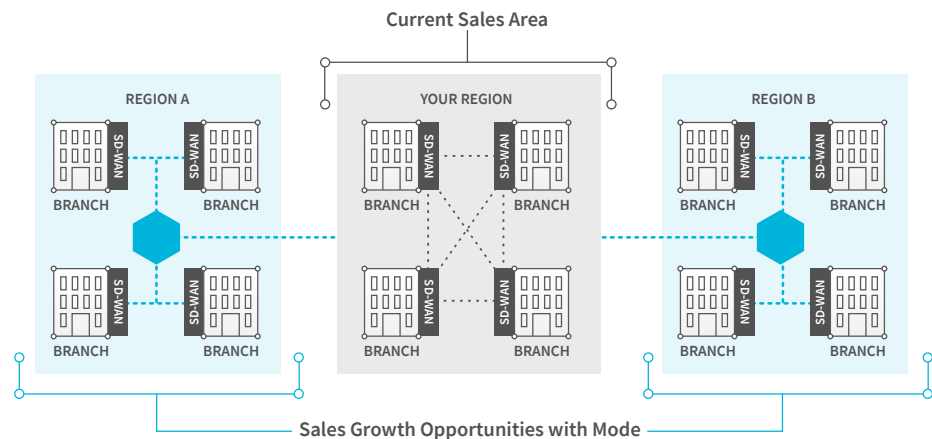# Simplify Global Enterprise Connectivity

MODΣ

Mode enables service providers to pair their SD-WAN with reliable worldwide connectivity and offer a global solution to every branch of a multinational enterprise customer. In addition, Mode drives out-of-region enterprise traffic to a service provider's regional IP backbone by integrating the service provider network into the global Mode Core fabric.
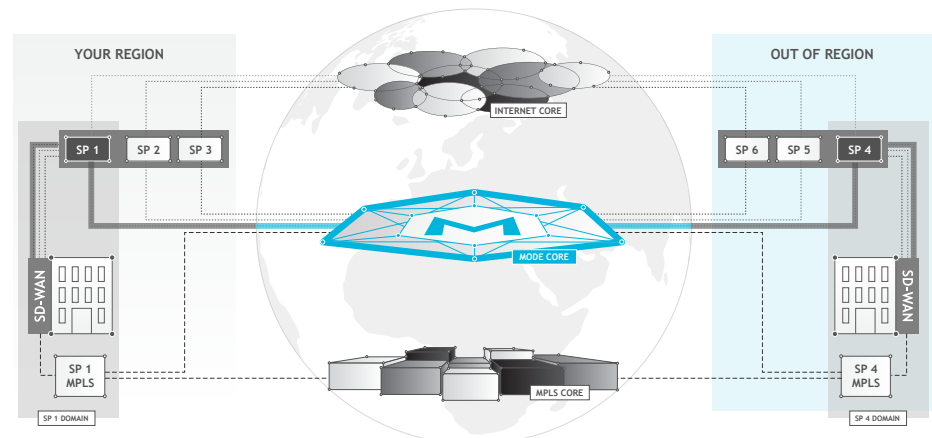
PART 1

Offer Your SD-WAN as a Global Solution to Multinational Enterprise

Global enterprises demand global solutions. Today, you sell SD-WAN and connectivity to multinational branch locations within your region. Mode Core turns your SD-WAN offering into a global solution, allowing you to offer SD-WAN and reliable global connectivity to each and every branch of your enterprise customer base, anywhere in the world.
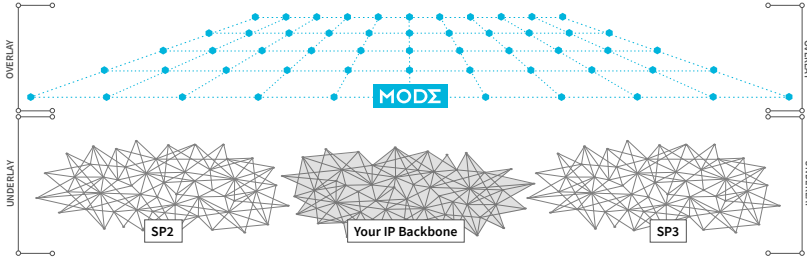

Mode Core works with your SD-WAN and last-mile internet. Packets move back and forth across the Mode Core Perfectly Controlled™ global private network as a service, reliably connecting your IP backbone and local enterprise customers to the rest of the world: the entirety of their SD-WAN enabled sites, cloud service platforms and applications, data centers, and remote users.

Cloud private networks on Mode Core are transparent end-to-end, extending the edge transparency of any SD-WAN all the way through the core of the entire network. Mode Core operates side-by-side with internet and MPLS, and provides your customers with a QoS network featuring high availability, SLA guarantees, and business-internet pricing.
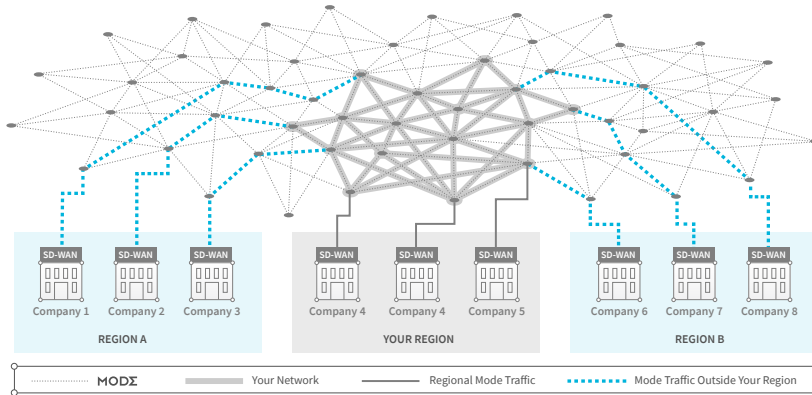
Monetize Out-of-Region Enterprise Traffic on Your IP Network

The Mode HALO Perfect Network Control™ overlay seamlessly folds your IP network into the global Mode Core fabric, opening up your IP network to global business traffic.

Out-of-region enterprises become your newest customers, paying for highly reliable, QoS access to your regional IP backbone and access network, and its connected enterprise base and resources.
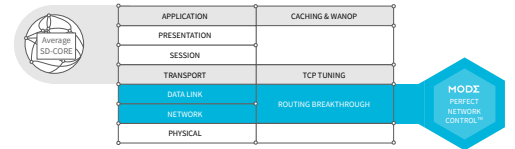
In addition, Mode HALO increases the reliability and performance of your core IP network for all your enterprise SD-WAN customers by Perfectly Controlling™ traffic, and dramatically increasing network utilization — all without a penny of CAPEX.

About Mode

Mode simplifies reliable end-to-end business connectivity. Mode's Perfect Network Control™ delivers the maximum attainable performance of any network. Mode was founded by two Cornell scientists who derived the math behind Perfect Network Control™, and used it to build Mode Core, the world's highest-performing private global network as a service. Mode keeps cloud-era business always-on by working with any SD-WAN to simplify reliable connections among the apps, data, and people that drive success.

Mode is backed by Google Ventures, New Enterprise Associates, and the National Science Foundation. For more information about Mode Core, contact **sales@mode.net** or visit **www.mode.net**.

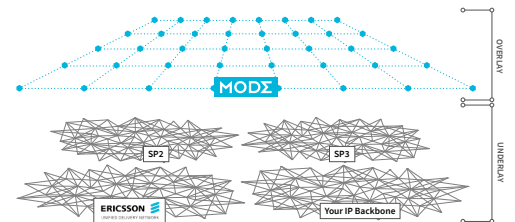# Simplify Reliable WAN with Perfect Network Control™

Mode Core is a Perfectly Controlled™, software-defined internet core alternative (SD-CORE) that works with SD-WAN and last-mile internet to provide flexible, MPLS-reliable, affordable QoS enterprise connectivity as a service.

Perfect Network Control™ triples effective network utilization over the current state of the art, and enables our unique mix of flexibility, reliability, and affordability. The **Mode HALO** control algorithm is based around our founders' breakthrough contribution to computer science — deriving the dynamical system equations that define all packet-switched networks, for the first time. Mode HALO is implemented at layers 2 and 3 of the OSI stack, fundamentally changing the way traffic is controlled.

Built from Trusted IP Underlay Networks

Mode HALO runs on virtual routers hosted among globally distributed private data centers. This Perfect Network Control™ overlay seamlessly incorporates high-performance underlay networks from Ericsson and others into a single, global, high-availability Mode Core Fabric. As a result, Mode Core is able to support an unlimited number of reliable, tenant-specific global private networks as a service for enterprise customers.