Managed Business Delivery Services of SDN/ SD-WAN for leading operators globally

Network Elements	Leading European Telco	UK based Telco	Leading European MSO	Leading German Telco
B2B SD-WAN Orchestrator	Huawei Cloud Opera Orchestrator	Versa Director, Versa Analytics	Huawei Cloud Opera Orchestrator	Cisco CSO/NSO orchestrator
SDN Controller	Huawei Agile Controller	Versa Controller	Huawei Agile Controller	Tail-f Controller
Service Gateways, Security	Huawei vSG, eSG, Interworking gateway, M-Hub NG-FW	Versa Service Gateway, Firewall Palo Alto, ADC, F5	Huawei vSG & eSG, Huawei M-Hub NG-FW	Cisco CSR, Cisco ASAv, WSAv
Multiple Vendor CPE	Huawei CSRs	Versa Flex VNFs	Huawei CSRs	Cisco CPEs
VIM (Virtual Infra Manager)	Huawei Fusion Sphere Openstack, Huawei ManageOne	OpenStack, Versa Director	Huawei Fusion Sphere Openstack	Cisco Elastic Services Controller

Scope

- **E2E certification service** leveraging Huawei / Versa BDS / Cisco SD-WAN platform
- **Integrated Certification** with IT Systems (OSS BSS) + Networks
- Certification – both manual & Automated
- Customer LAN simulation using open source tools

Value delivered

- **Reduced OpEx by 50 – 60%** by automating 50% of the test cases
- **Enhanced Stability - 100% feature coverage** ; early detection of 70-80% of defects
- Enabled to production on-boarding of pilot customers within **6-7 months**
- Multi vendor co-ordination and E2E ownership of the deployment

Performance	Business Impact
Pilot customers on-boarding within 6-7 months	Reduced OpEx by 50 – 60%