Converged IT/OT Systems' Solution

Department of Energy (DOE)

Cybersecurity for Energy Delivery Systems

Ambassador Project Objective

Joint manufacturer solution capable of managed trust and data sharing between multiple software applications for improving awareness and visualization of Organizations' enterprise and OT systems.
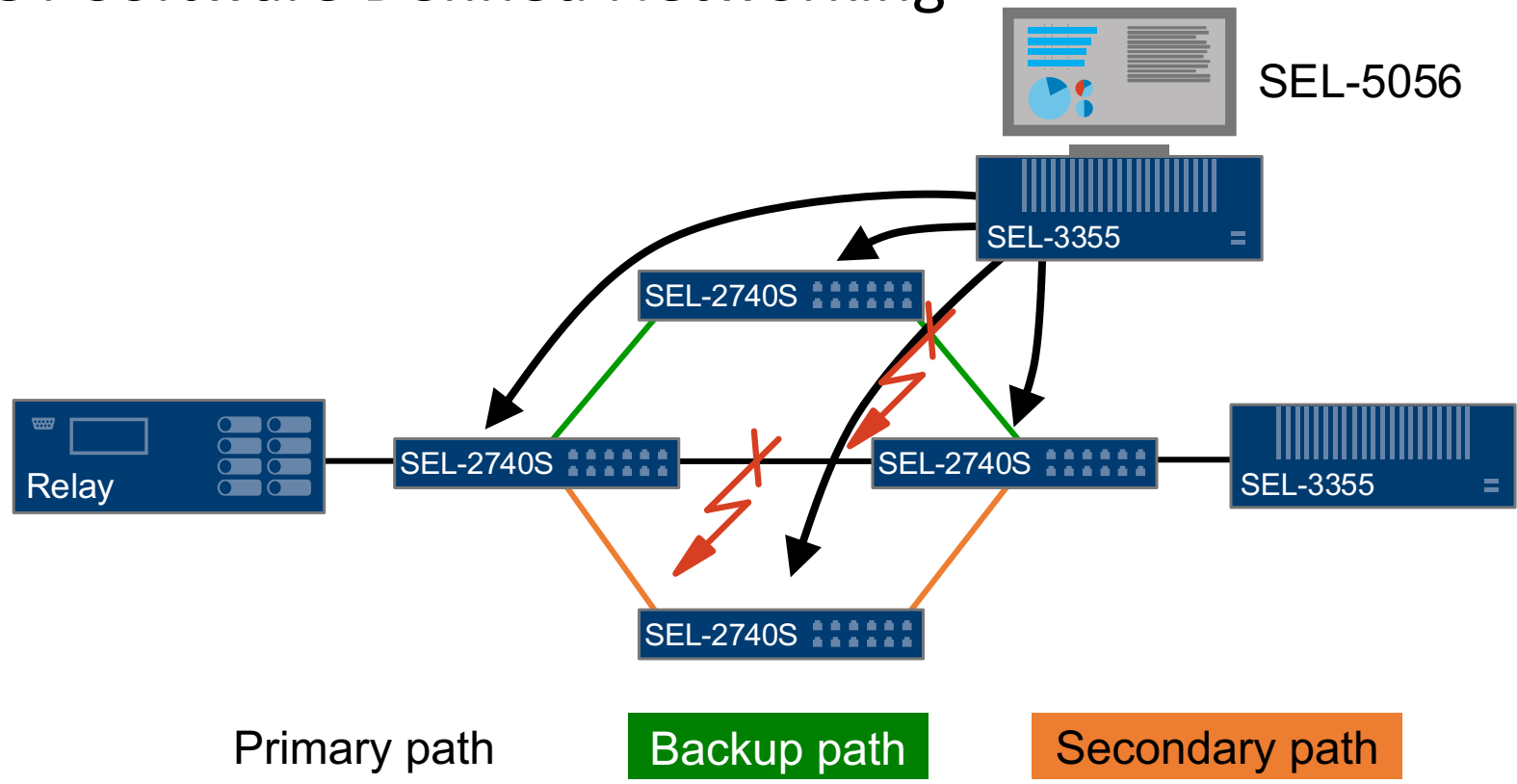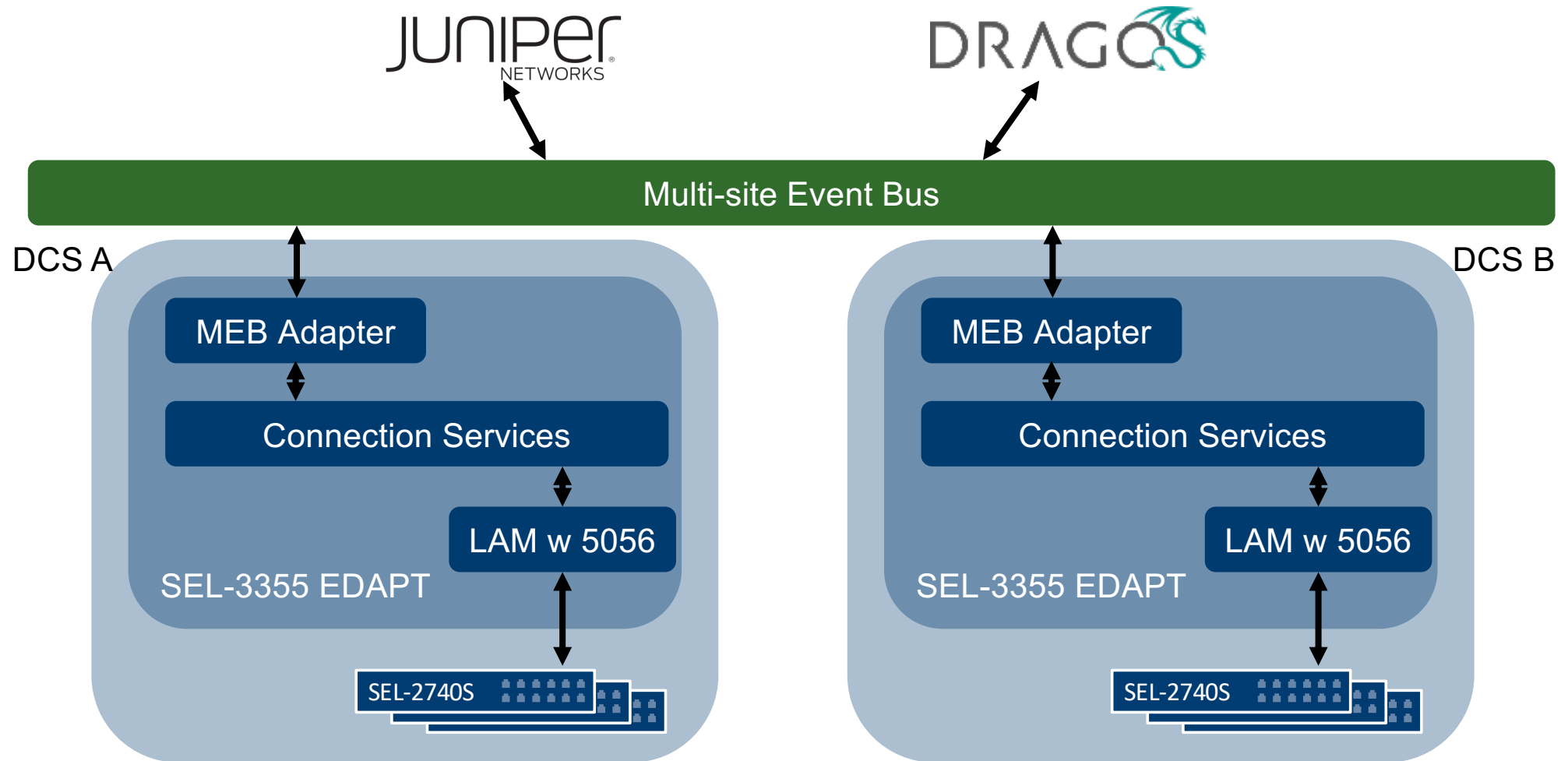
Vendor

Today's Present State of the Art (SOA)

OT Software Defined Networking

SEL-5056

SEL-3355

SEL-2740S

SEL-2740S

Relay

SEL-2740S

SEL-3355

SEL-2740S

Primary path   Backup path   Secondary path

Advancing the State of the Art

Software Environments

Platforms where Software Solutions are Deployed at the Customer Site
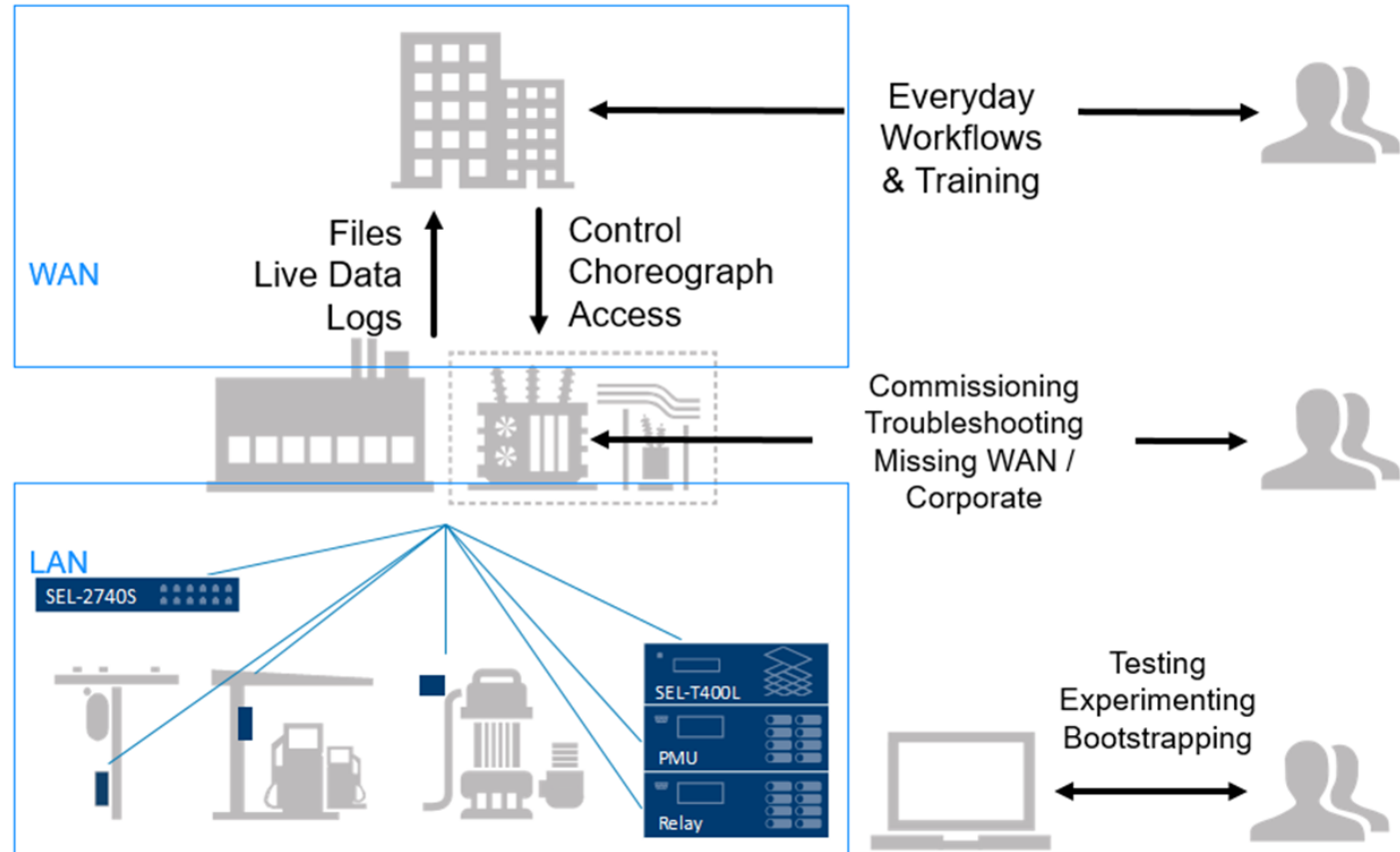
Corporate OT Software
Multi-site Orchestration
Audits / Reports / Analysis
Historians / Mass storage
Access Options

Distributed Software
Tier 2 Control (FLISR / GCS / ADMS)
Orchestration and Control Plane
Data Aggregation
LAN Device Management
Access Point from Corporate to Local

Edge
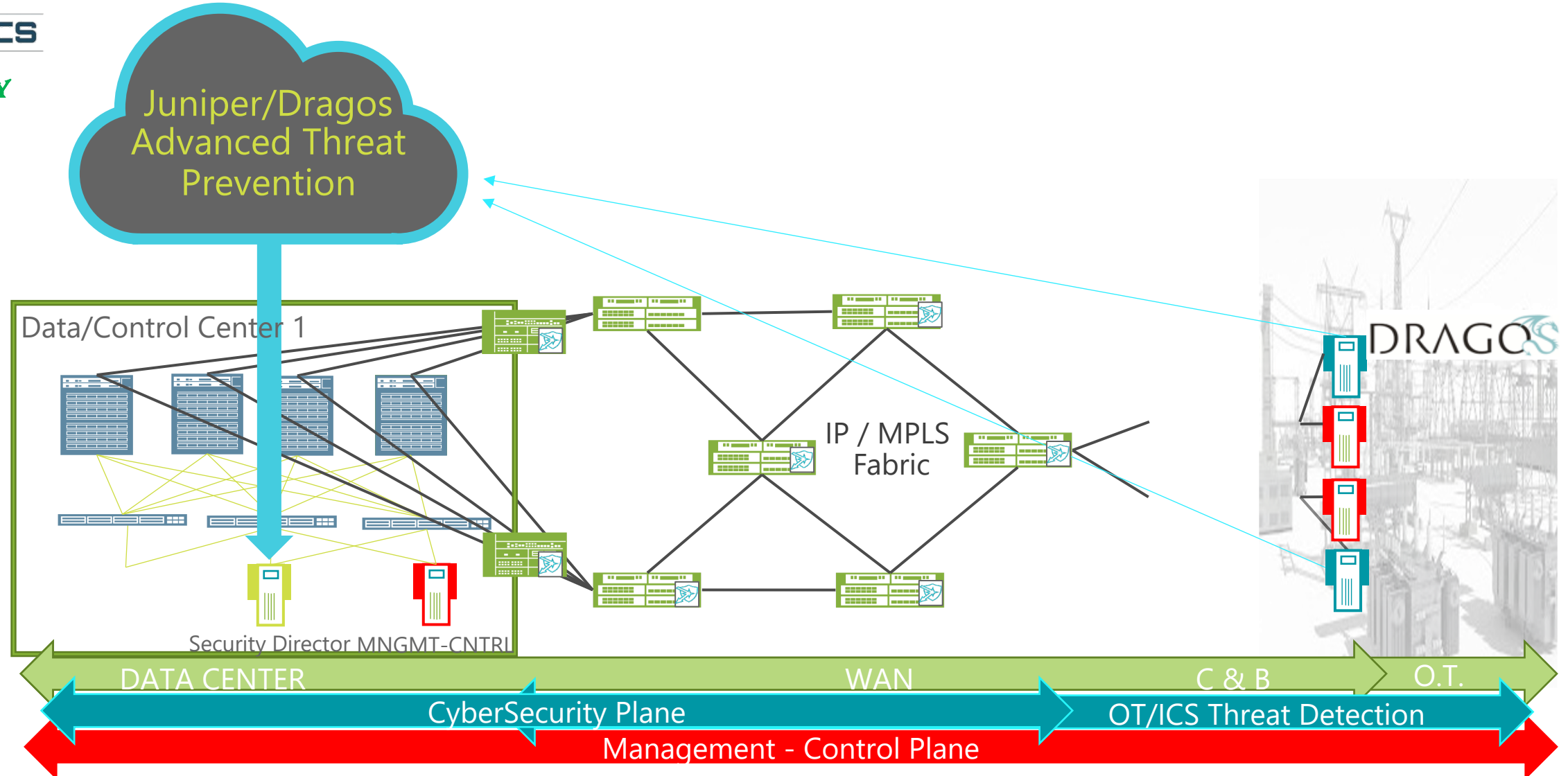Tier 1 Control (Protection etc..)
Data Sensors
Actuators

WAN

Files
Live Data
Logs

Control
Choreograph
Access

Everyday
Workflows
& Training

Commissioning
Troubleshooting
Missing WAN /
Corporate

LAN
SEL-2740S

SEL-T400L

PMU

Relay

Testing
Experimenting
Bootstrapping

Vendor

Full Stack Enterprise + OT Solution

Juniper/Dragos Advanced Threat Prevention

Data/Control Center 1

IP / MPLS Fabric

Security Director MNGMT-CNTRL

DATA CENTER

WAN

C & B

O.T.

CyberSecurity Plane

OT/ICS Threat Detection

Management - Control Plane

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Full Stack Enterprise + OT Solution
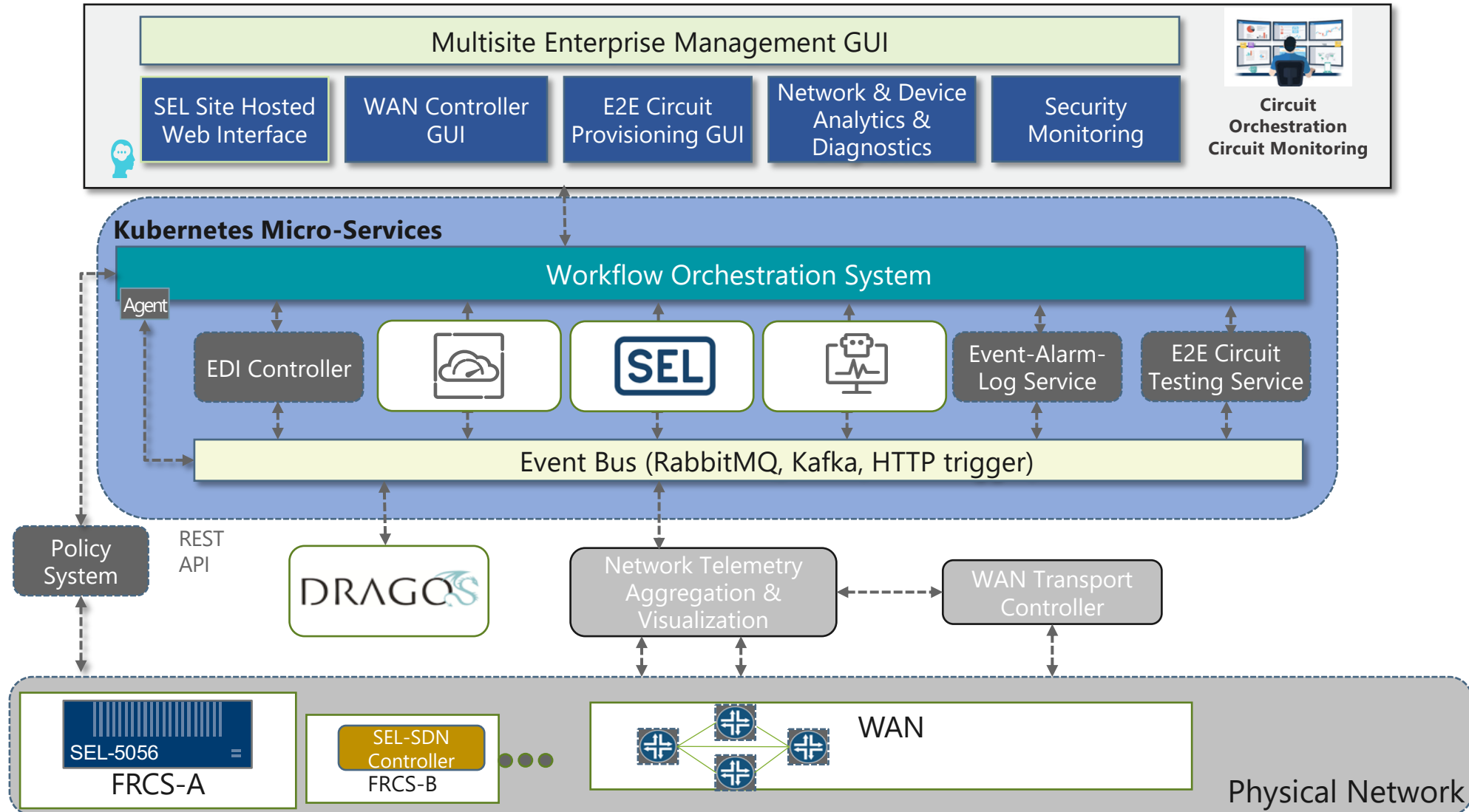
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