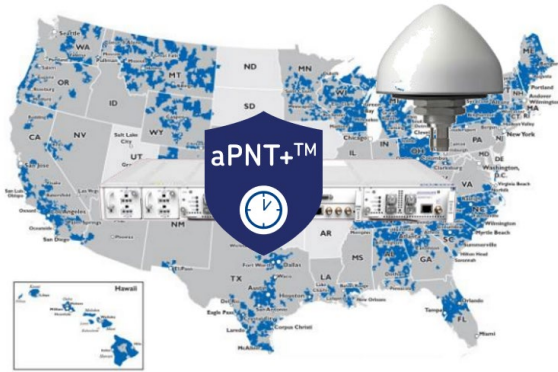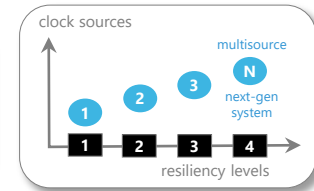# OSA backed by 75 years of know-how in network sync

- ✓ **#1** - Industry's first supplier of sync solutions
- ✓ **#1** - The leader in resilient & assured PNT & packet-based timing
- ✓ **#1** - Leading-edge technologies in defense-in-depth PNT cyberthreat protection, including multilayer detection, zero-trust multisource backup & multilevel fault-tolerant mitigation, aligned with these industry standards:

DHS Resilient PNT Levels

IEEE SA P1952 PNT

clock sources

multisource

N

next-gen system

1 2 3

1 2 3 4

resiliency levels

- ✓ **#1** - The leader in field-proven, vendor-agnostic & intelligent sync network management
- ✓ **#1** - Industry's best complete portfolio of trusted sync services, from network design to installation to commissioning

The #1 trusted secure sync solution provider globally

OSCILLOQUARTZ
An ADVA Company

ADVA comprehensive portfolio of turnkey OSA sync services

OSCILLOQUARTZ
An ADVA Company
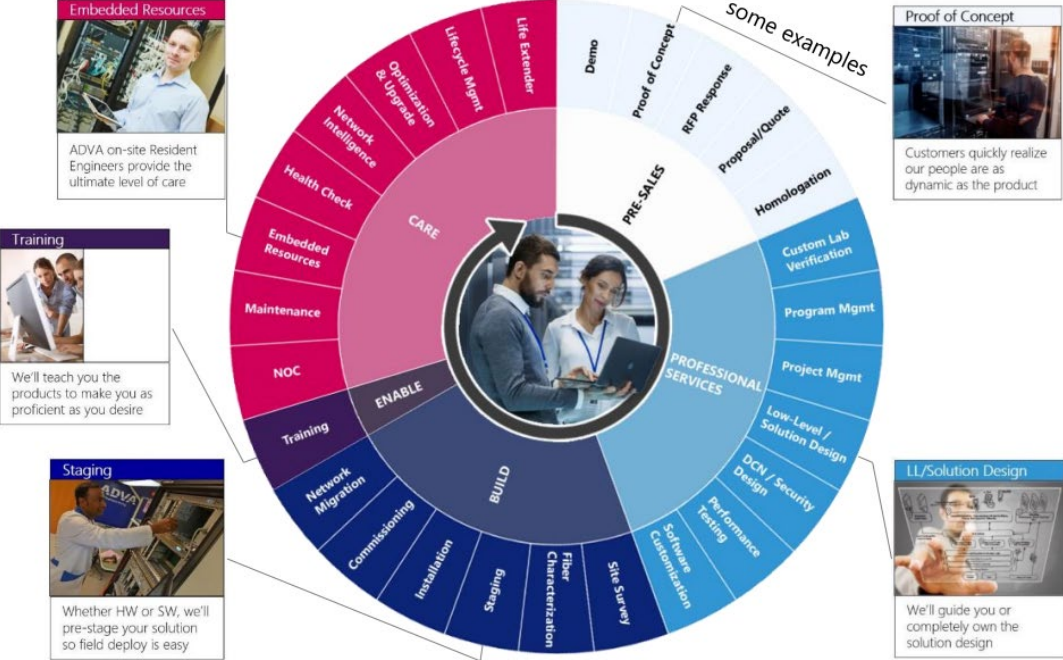
OSA secure sync product lines by best-fit/cost application

Ensemble *Sync* Director™ management

aPNT+™

*access*Sync™

OSA 5401
SFP SyncPlug

OSA 5405-I/O/MB/P

Sync Jack™

OSA*inside*™

OSA 5400

SyncModule

TimeCard

OSA SoftSync
Linux

Sync Jack™

*edge*Sync™

OSA 541x

OSA 5412

Sync Jack™

*edge*Sync+™

OSA 5420/21

OSA 5422

Sync Jack™

*core*Sync™

OSA 5430 NG GM/SSU

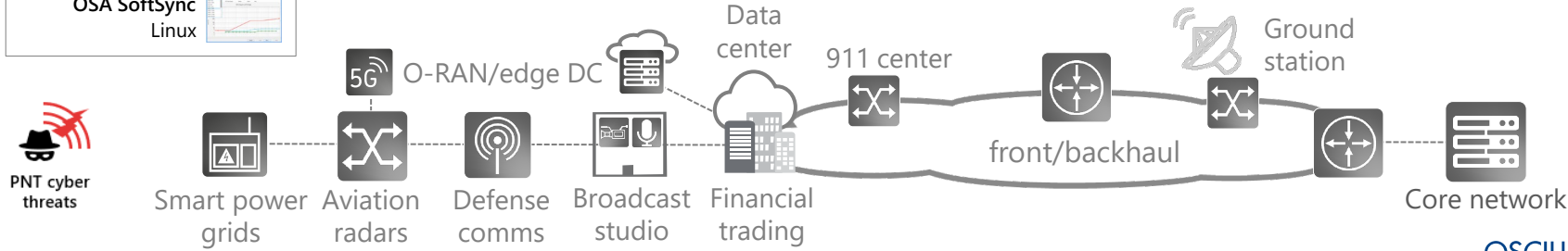OSA 5440 NG GM/SSU

Sync Jack™

*core*Sync™

OSA 3300-HP optical Cs

OSA 3350 optical Cs ePRC+

3230B Cs magnetic PRC/ePRC

Sync Jack™
device/network
Monitor

PNT cyber threats

Smart power grids

Aviation radars

Defense comms

Broadcast studio

5G O-RAN/edge DC

Data center

Financial trading

911 center

front/backhaul

Ground station

Core network

OSCILLOQUARTZ
An ADVA Company

SyncJack monitor integrated into all clock products

1 device/network Monitor

2

3

GUI Concept

- Several layers of indicators allowing for step-by-step monitoring and troubleshooting

- 1st layer provides global indication of the Synchronization status

- 2nd layer shows performance indication of each reporting tool

- 3rd layer provides detailed information for fault localization of performance analysis

OSCILLOQUARTZ
An ADVA Company
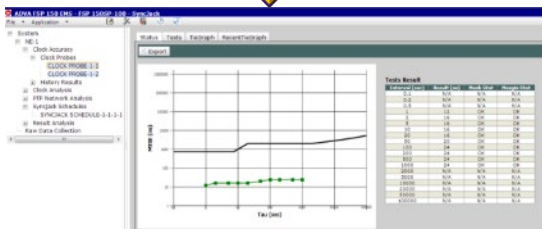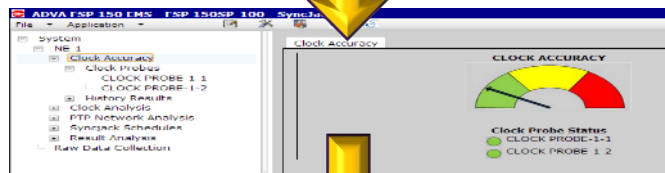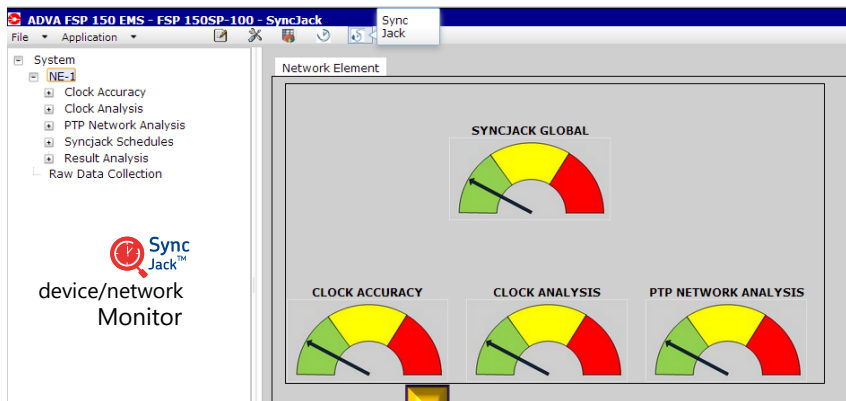
ADVA national rollout of OSA sync devices & antennas
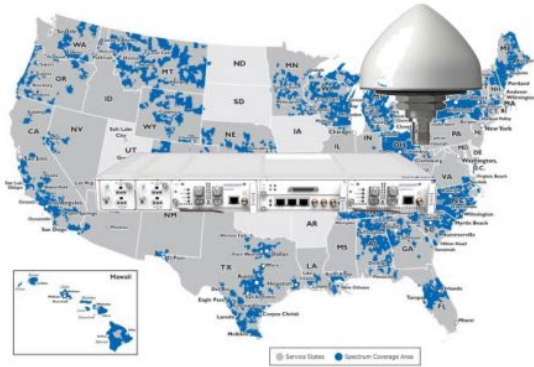
Preparing, Managing, & Turning Up

Program Mgmt	Project Mgmt	Site Survey	Staging/Burn-in	Antenna Installation	Box Installation	Commissioning
A Services Program Manager owns and directs your account	Service Project Managers will drive your national installs	Service Engineers survey sites and advise readiness or actions	Service Engineers stage your gear prior to shipment to field	Service Engineers install antennas, run cables in best practice	Service Engineers install your gear in best practice	Service Engineers turn-up and commission your gear

Training & Supporting in-service

Sync Training	NMS Training	24 x 7 TAC	Software Assure	4-Hour Spares	Box FLM	Antenna FLM
ADVA will train your personnel on function & use of box/antenna	ADVA will train your personnel on function and use of NMS	Services Team cares for your network throughout its life	Software Assure gives peace of mind with constant updates	Spares will be delivered onsite within 4-hour SLA	ADVA field techs will install spare parts and restore service	ADVA field techs will resolve antenna issues and restore service

The # 1 in perfect timing - we design/manage/build/support end-to-end sync networks

OSCILLOQUARTZ
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Thank you

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