Optical Networking Portfolio

1830 Global Express (GX) compact modular transport

Flexible, scalable, modular platform supporting multi-haul open optical line systems (OLS), embedded & pluggables transponder, and aggregation capabilities on a single compact platform with 300mm and 600mm options

- Transponder functionality
- From 100G to 1.2T per wavelength • Up to 9.6T line capacity per shelf
- Super C and Super L options
- Lowest power per bit transport
- Open APIs and streaming telemetry
- Embedded and pluggables
- OLS functionality
- From FOADM to ROADM • Metro, core, long-haul, and subsea
- C+L and Super C/L band options
- Up to 11.6 THz of fiber spectrum Layer 0 restoration
- Open APIs and streaming telemetry

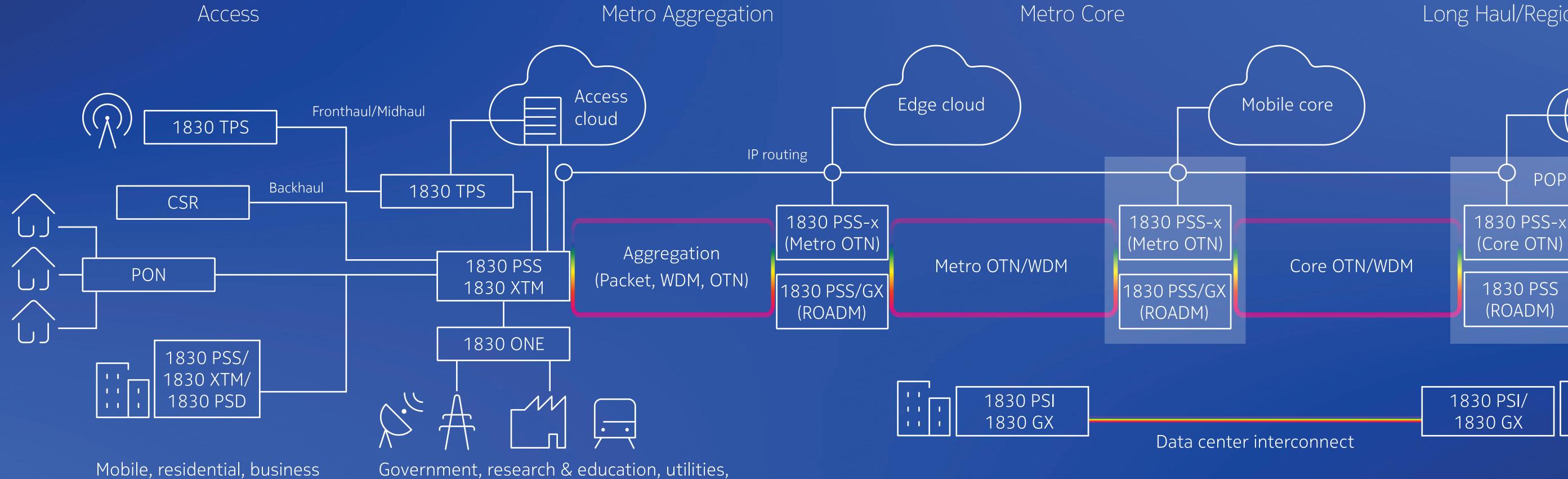




The Nokia Optical Networking portfolio enables new frontiers in scale, sustainability, and performance to cost effectively and securely connect users, things and clouds.



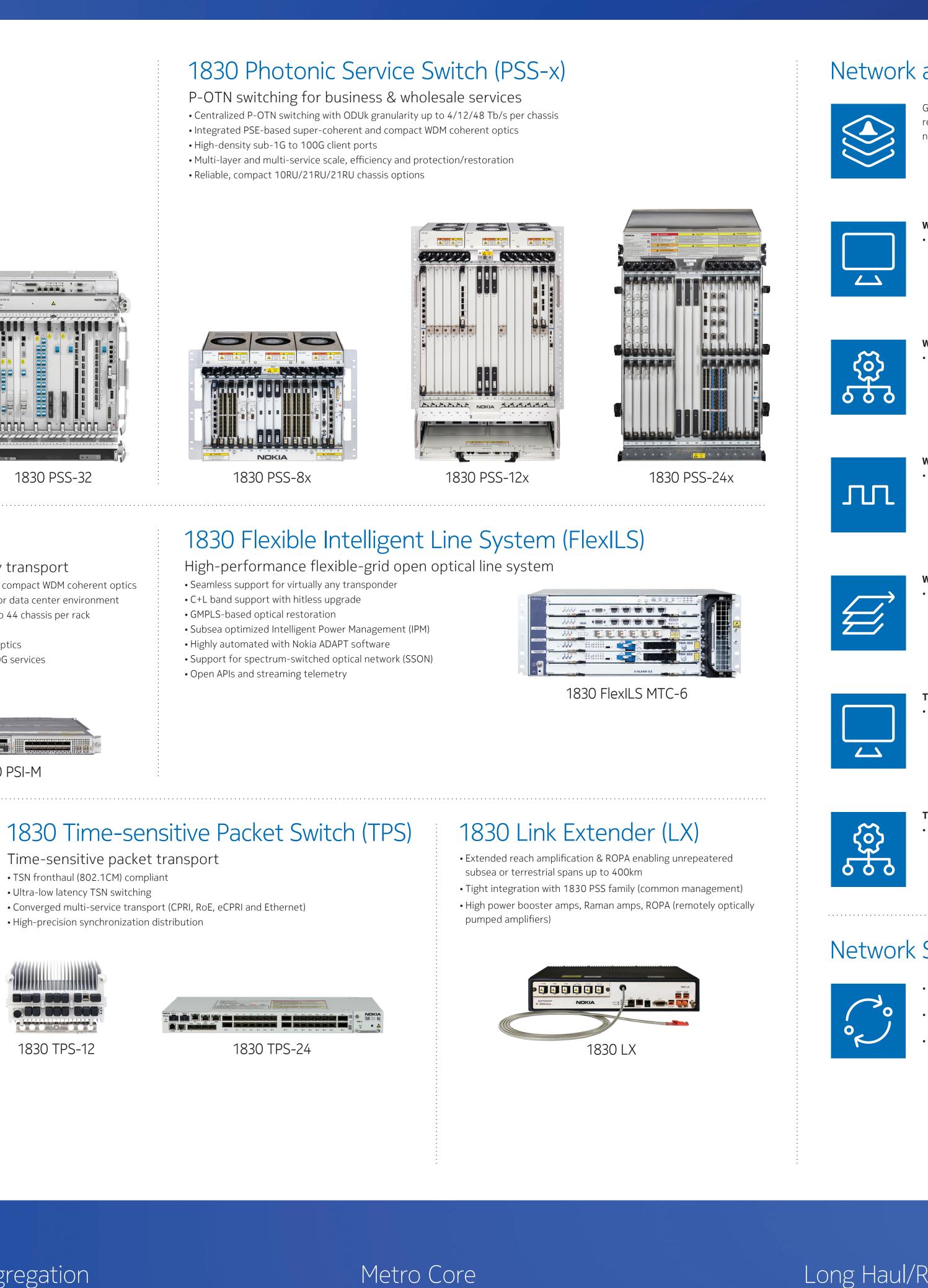
Explore the Nokia Optical Networking portfolio





- Scalable solutions for DCI, metro, regional & long-haul networks
- Integrated P-OTN transport and WDM • PSE-based super-coherent and compact WDM coherent optics
- Full-featured WDM line system with ROADM and C+L options
- Single card C-F and CDC-F iROADM options covering 2 to 32-degrees
- Options for C-band, modular C+L and integrated C+L iROADM • Full range of sub-1G to 400G client ports with high density
- Multi-layer, multi-service scale and efficiency
- Highly reliable telco design with 2RU/3RU/8RU/14RU chassis options

Government, research & education, utilities, railway, industrial IoT, healthcare, finance



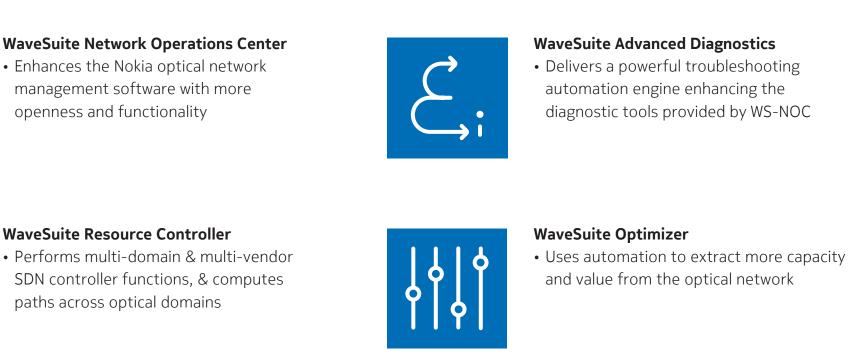
Photonic Service Engine (PSE) and Infinite Capacity Engine (ICE) coherent optics



 Photonic Service Engine and Infinite Capacity Engine Coherent DCO transceivers • Tightly integrated multi-chip module with DSP and vertically integrated optics • Embedded solutions deliver up to 1.2Tb/s capacity and extended reach for metro DCI, long-haul, and subsea applications InP and SiPh compact coherent pluggables solutions from 100G to 800G for campus, DCI, metro & regional applications

Network automation software

Grow revenue and reduce TCO by using automation to harnesses the intelligence, responsiveness, programmability, and scalability of optical networks to enable new business models and support network and service lifecycles



NaveSuite Advanced Diagnostics Delivers a powerful troubleshooting automation engine enhancing the diagnostic tools provided by WS-NOC

WaveSuite Resource Controller • Performs multi-domain & multi-vendor SDN controller functions, & computes paths across optical domains

- WaveSuite Synchronizer • Provides intuitive tools that let you take control of your entire network synchronization infrastructure
- WaveSuite Service Enablement • Helps virtualize and monetize the optical network using innovative services and B2B2X business models to reach more
- customers
- Transcend Network Management System Supports network management functions
- Transcend Controller
- Performs multi-domain & multi-vendor SDN controller functions



WaveSuite Planner

 Simplifies network designing and planning with tools that can analyze the optical network for maximum efficiency



Transcend Network Planning System Simplifies network design and e de la construcción de la const service planning

- Franscend Network Insight
- Provides real-time bandwidth metering and licensing

Network Services Platform (NSP)

- Delivers a programmable, network automation framework for large scale IP/MPLS, Ethernet, optical, IP/optical and microwave networks • Improves network availability with powerful assurance analytics capabilities to troubleshoot the network and fix issues quickly • Enables network control and traffic optimization in real-time to maintain stringent SLAs
- Long Haul/Regional Core Subsea Cable landing station POP 1830 PSS/GX SLTE (ROADM) 1830 LX