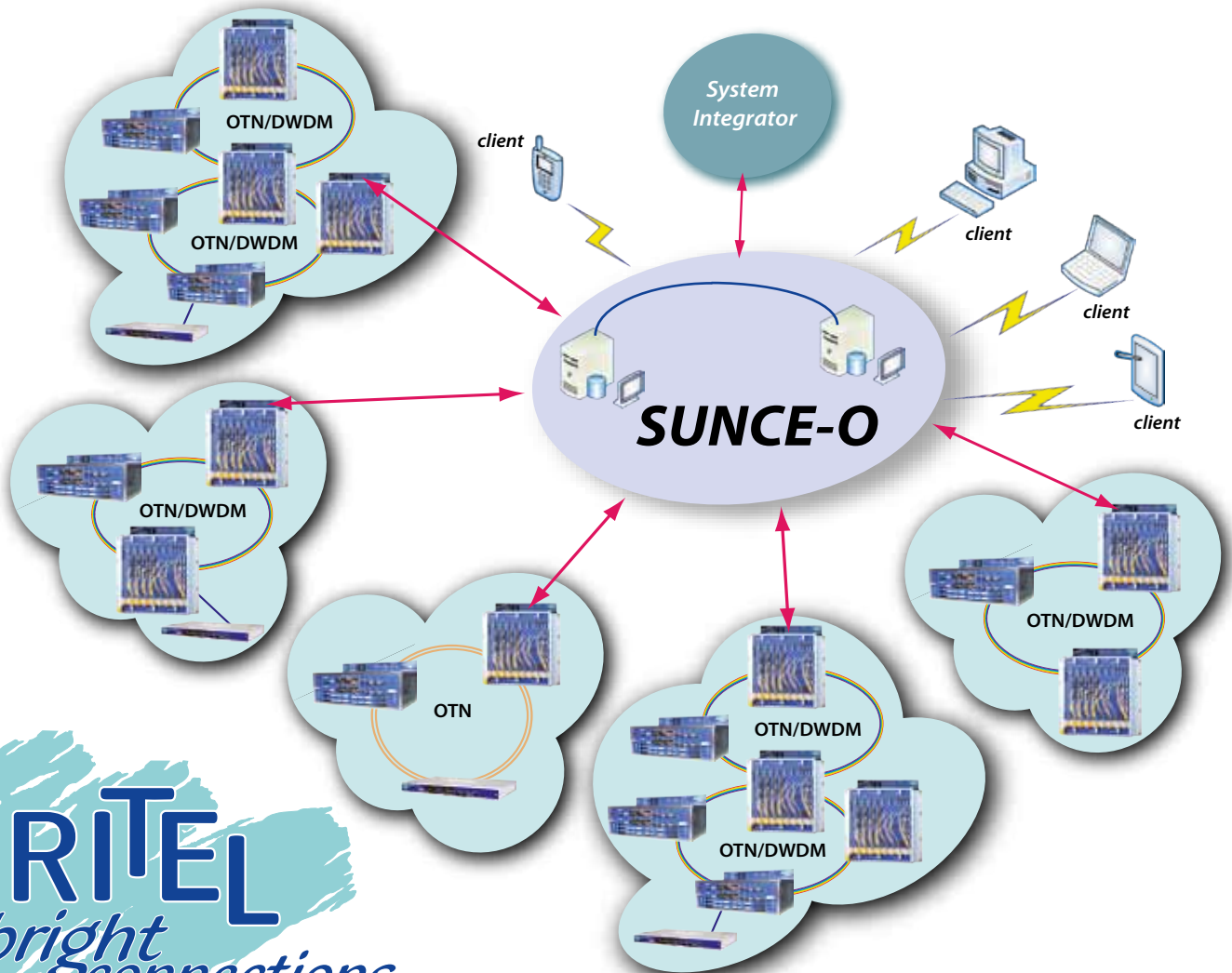# SUNCE-O
OTP10G/100G OTN/DWDM NMS

- Unified and scalable NMS management solution
- Client-server architecture
- From small/local up to large networks
- Easy to meet network growth and development
- Fault, configuration, performance and security management
- Inventory management
- OSS/BSS system integration
- Single platform for OTN and DWDM layers
- Lower CAPEX and OPEX, faster ROI

IRITEL
bright connections

SUNCE-O OTP10G/100G OTN/DWDM Network Management System

System description

- Configuration and monitoring of OTP10G/100G OTN/DWDM networks
- Element management and network management layers
- Standalone NMS or a module of SUNCE+
- Multi-tier system organization, with multi-user access
- Management functions (Fault, Configuration, Performance, Security)
- Scalable from single to multiple servers
- High availability of servers (automatic failover)
- Northbound interface to OSS/BSS (SNMP, CORBA)
- J2EE software architecture
- Java based rich client software

GUI main features

- Intuitive graphical views
- Network topology is presented in hierarchical tree view (network, sub-network, groups, stations, NE)
- Drag & Drop

Fault management and warnings

- Alarms
- Loops

Configuration management

- OTN
- DWDM
- ODUk cross-connect
- SDH
- Ethernet

Performance management

- Real-time performance data collection and analysis
- Numerical and graphical performance metrics

Provisioning

- Automatic (trail manager)
- Manual provisioning

Security management

- Role based security model with user authentication and authorization
- Audit Log with user activities information
- Secure SNMPv3 protocol for device access

Inventory

- Collecting service data from NE and network
- HW&SW device report

TECHNICAL DATA

International standards support:

ITU-T: M.3010, M.3100, M.3300, M.3400
TMF 513, 608, 814 Development

System requirements for Server side computers

Operating system
Linux 64 bit (recommended: CentOS 6.3 or newer)

Supported databases
MariaDB (recommended)
MySQL
PostgreSQL
Oracle

Java
JRE/JDK 1.6, 1.7

System requirements for Client side computers

Operating system
Linux (32 bit or 64 bit)
Windows (32 bit or 64 bit)

Java
JRE/JDK 1.6, 1.7