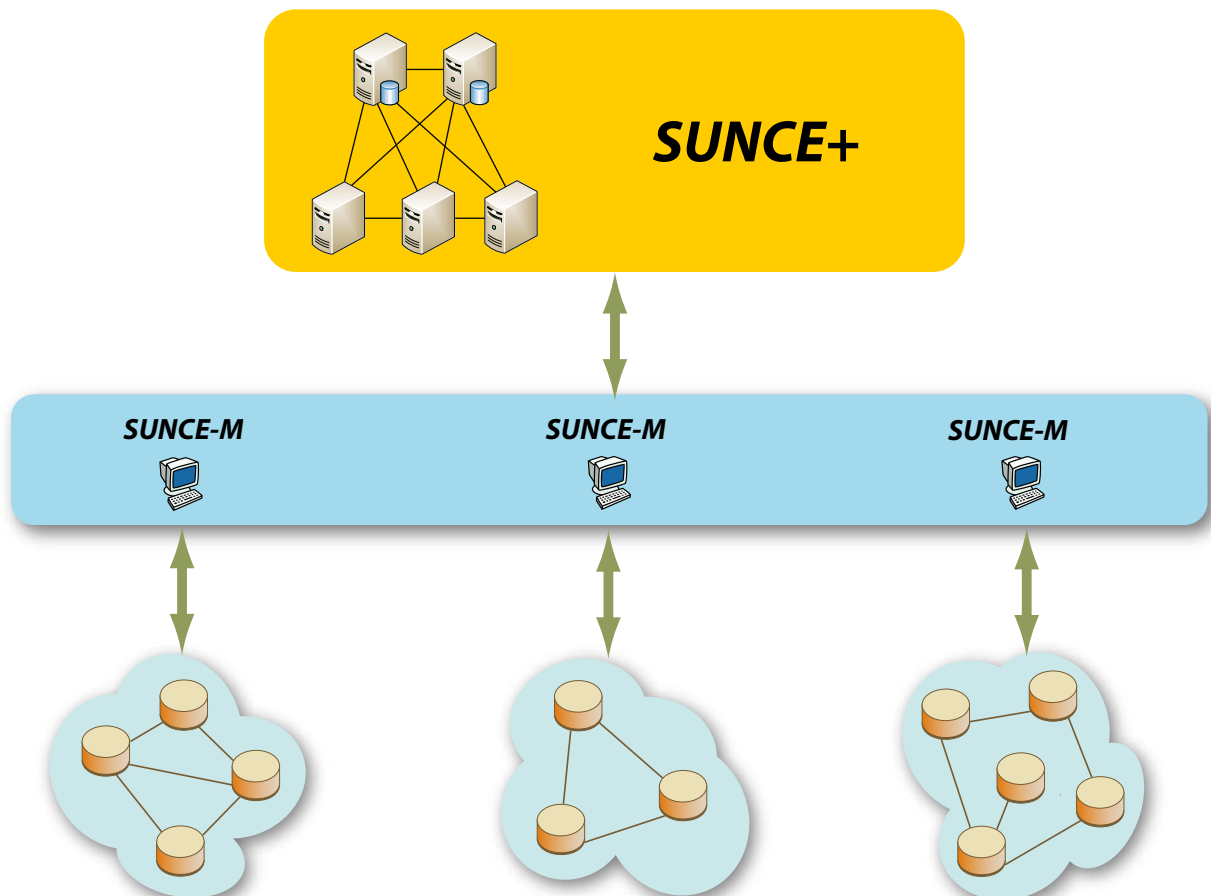




# SUNCE+

## Network Management System

- Continuous hierarchical management of complex networks, subnetworks, stations, and devices
- Service and network monitoring
- Operation and maintenance tool, essential for network design
- Enables evolutionary network management redesign
- OSS/BSS system integration



**IRITEL**  
bright  
connections

TELECOMMUNICATIONS AND ELECTRONICS

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## Applications

- Enables integration of all IRITEL transmission systems
- Integration of all elements in network or their subset
- Network topology is presented in hierarchical tree view, from a sub-network layer to a single location and elements in it
- Fast identification of network resource problems improves quality of service
- Client-server architecture enables multi-user access
- Distributed hardware platform
- Operations on IRITEL OTN, SDH and PDH network elements
- Distributed hardware platform, depending on number and complexity of managed systems
- Automatic database failover
- Web browser for application access, over LAN or VPN
- FCAPS management functions (Fault, Configuration, Accounting, Performance, Security)
- Monitoring of current network state and its history
- Monitoring user actions in SUNCE+

## Base Module

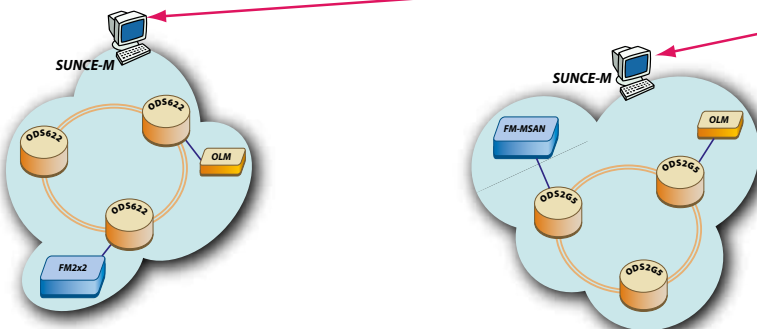
- Enables database integration, access using Web browser and system administration. Other functions are supported in separate modules.

## Module Alarms

- Presents filtered set of current alarms on hierarchical levels
- Monitoring of predefined set of alarms
- Reports of any subset of alarms are generated from history log

## Module Remote Access

- Remote access to SUNCE-M system, with local operator rights
- View or change network element parameters and trail management in network



## Integration

- Integration with OSS/BSS system (Northbound interface)
- Direct access to new device types through Southbound interface
- Open management interfaces: SNMP, XML...

## Module OTN

- Network management system for IRITEL OTN devices

## Module Inventory

- Collecting service data from network elements
- Device reports and statistics (unit types, hardware and software versions...)

## Module Performance

- Provides service availability information on selected customer
- Presents information on point to point free transport capacity

## Module Accounting

- Provides services remuneration through access to accounting data

## ITU-T Recommendations

- M series: M.3010, M.3300, M.3400

