



## EDGEGENIE

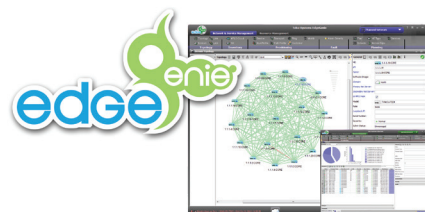
### SERVICE MANAGEMENT SYSTEM

Telco Systems' EdgeGenie service management system offers a complete solution for the full life cycle of network deployment, from planning to managing, monitoring and maintaining Ethernet services. Assuring services end-to-end requires knowing how the services are being delivered across the network. Understanding how network resources are being utilized and identifying and correcting problems quickly is a key to reducing customer churn.

The EdgeGenie is a feature-rich system with abundant capabilities and functions that can be grouped into four main focuses – provisioning, monitoring, maintenance, and optimization – to support such functions as network and service management, resource management and optimization, network planning, and real time SLA monitoring and statistics.

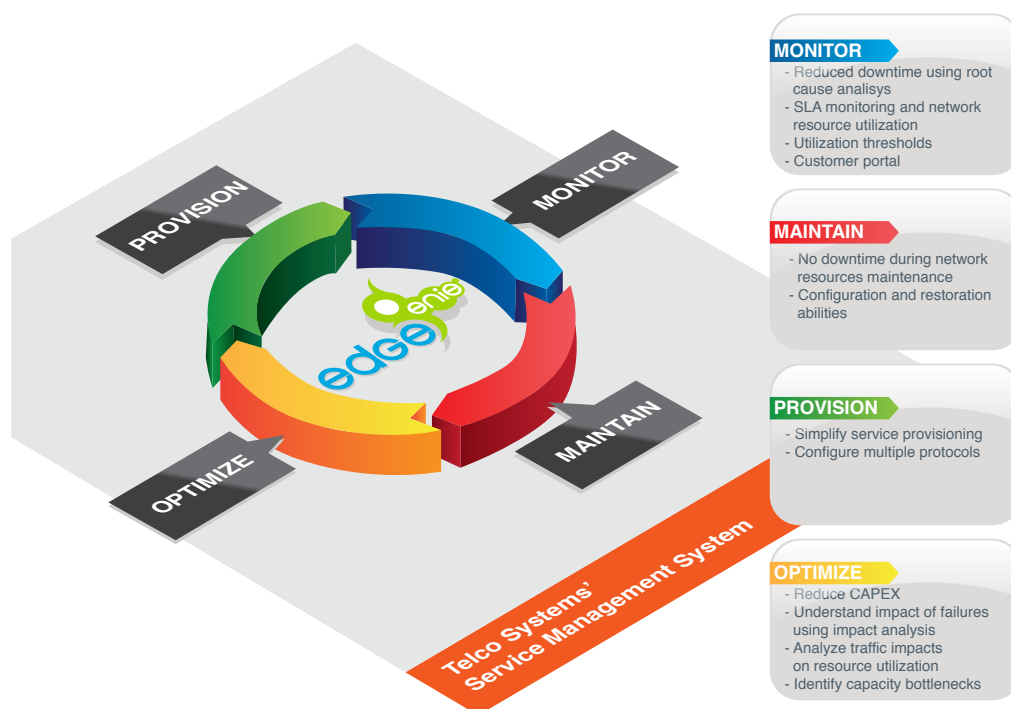
Sophisticated path computation algorithms ensure ongoing optimization, resulting in better usage of network resources. An advanced planning tool allows the operator to model “what if” scenarios to predict how network changes will affect service delivery.

EdgeGenie service management solutions' next-generation GUI design streamlines the usage of the system to save time and manpower costs. Quick action buttons enable the operator to access a wide range of options without going through a series of pull-down menus. This unique navigational design simplifies complex operational procedures for network operators. The system offers a customer network management portal (CNM) which provides users with access to real-time monitoring to verify that the assured SLA is actually being delivered. The system is designed to ensure high availability and solution reliability, ensuring solution and service manageability at all times.

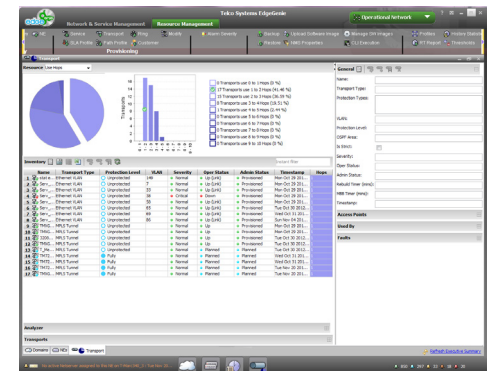
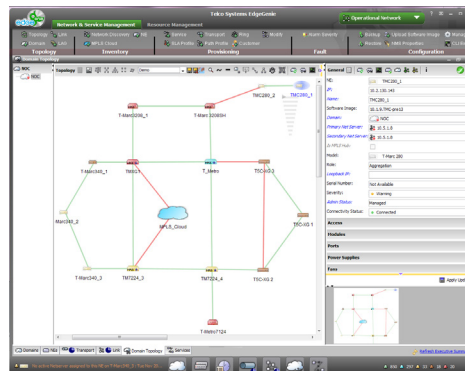
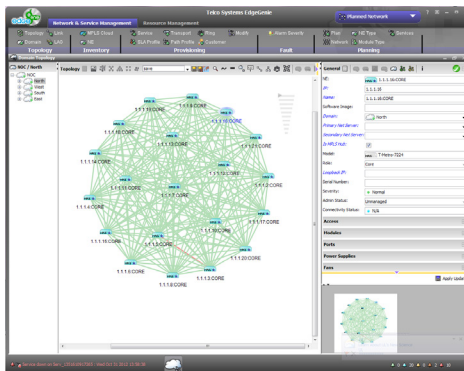
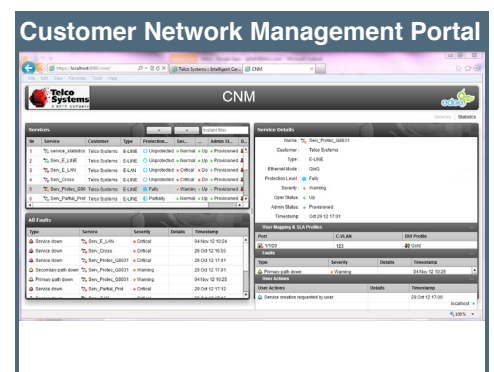
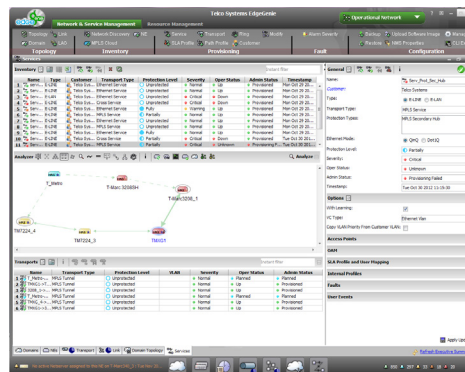
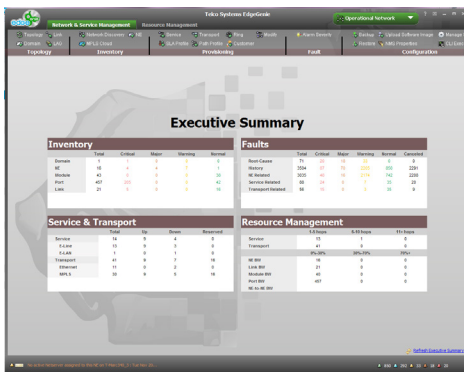


### PRODUCT HIGHLIGHTS

- End-to-end service enabling
- Next generation GUI design
- End-to-end service discovery for both MPLS and Ethernet CLI configured services
- Robust and scalable multi servers architecture with full component resilience
- End-to-end multi protocol provisioning, including both MPLS and Ethernet tunnels
- End-to-end computation of redundant paths to protect services
- Root cause analysis for service-affecting faults
- GUI-based service analyzer for quick visual access to services
- Resource management to optimize CAPEX and OPEX
- Network and service planning for “what if” scenarios
- Customer Network Management to allow end users to manage their own services
- Standard (MTOSI compliant) north-bound interface
- Customer portal for real-time performance monitoring
- Service provisioning over 3rd party core devices
- Support for brownfield installation with service discovery



# EDGEENIE SERVICE MANAGEMENT SYSTEM



## PRODUCT SPECIFICATIONS

### Hardware Characteristics

Microsoft Windows, all versions  
Linux, all versions  
Oracle Solaris Version 10 on the Sun x86 Server  
Oracle Solaris Version 10 on Sparc Enterprise Servers

### Database

MySQL, Oracle

### Resiliency

High availability (servers redundancy) option is available for all platforms  
Servers clustering option for highly scalable networks

### Client

All Windows and Linux platforms - any web-browser  
Java GUI (using runtime environment package)  
Multiple Clients access

### Security

Multilevel user secured access, user role assignment, Radius client\*

### North Bound Interface

Standard, MTOSI and TMF ready, alarm propagation, system API

### Service Provisioning

Any end-to-end service discovery (L2/MPLS) of CLI configured services, L2/MPLS resiliency provisioning, cross third party vendor domain provisioning, SLA profile per service / access point, service SLA and route/path modification,

### Service Monitoring and Testing

Per service RFC2544/ITU-T Y.1564 test operation + results exporting  
Per service SLA performance monitoring (per ITU-T Y.1731) + thresholds utilization

### Resource Management

Per service/port real time statistics  
Per path/port/device BW utilization  
Resource bottleneck detection

### Customer Portal

Customer Network Manager (CNM), per service SLA performance statistics view + export, view permissions control

### Network Planning

Integrated network and "what if" planning tools, offline network simulator

### Other

Network/service failure root cause analysis, history events collector, scheduled network upgrade, configurations backup and restore



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