

Monarch Network Design

Intelligent Optical Network Design Tool from **M**onarch **N**etwork **A**rchitects

Monarch Network Design is the ideal network study tool for carriers and system vendors. It incorporates traditional optical networking elements as well as the latest in optical technology to allow rapid modeling of network evolution strategies and cost-benefit analysis of different technologies. The tool draws on a wealth of experience in algorithm design and network architecture to deliver efficient and innovative network designs.



Sophisticated Routing and Wavelength Assignment Algorithms

- Minimum cost routing
- Automatic load balancing
- User control over the routing path
- Advanced algorithms that achieve high network utilization

A Rich Set of Protection Options

- Unprotected
- 1+1 Dedicated Client Layer Protection
- 1+1 Dedicated Optical Layer Protection
- Shared Optical Layer Ring Protection
- Shared Mesh Restoration

Full Support of Lower-Rate Services

- STS-1 level grooming and protection
- Intelligent selection of grooming sites
- End-to-end or intermediate grooming
- End-to-end muxing

Flexible Network Element Support

- Optical Terminal
- Optical Add/Drop Multiplexer (OADM)
- Multi-Degree OADM
- All-Optical Switch
- Grooming Switch
- Elements are fully customizable to allow modeling of particular product features
- Complete user control over equipment buildout

Regeneration based on Physical Layer Properties

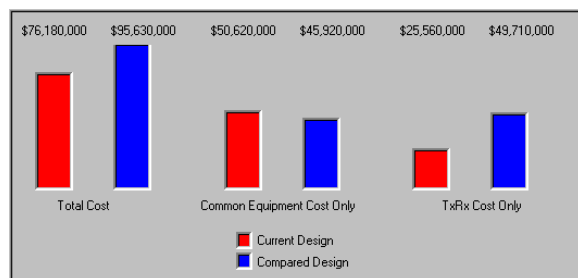
- Distance
- Noise Figure
- Accumulated Dispersion
- Accumulated PMD
- Number of bypassed elements

Easy Data Entry and Project Management

- Data import from text files
- Fast GUI point-and-click data entry
- Quick-Design mode for modeling of regular topologies
- Projects can be saved for later use
- Support for multi-year studies

Complete Suite of Reports, Including:

- Routing details
- Detailed equipment listings
- Network statistics
- Network cost breakdown
- Network design comparisons



For more information, contact us at
info@MonarchNA.com