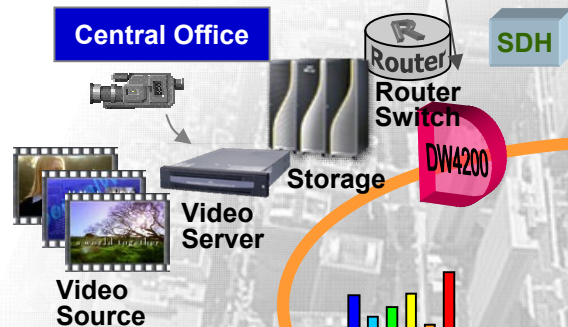


# SpectralWave DW4200 Multi-Reach/Multi-Degree ROADMs

## 100G capable Next Generation Optical Platform

### 1. Various Service Interfaces

Gig-E, 10Gig-E, 40Gig-E  
STM-1/4/16/64/256  
OTU-1/2/3



### 6. Upgradeability

In-Service Upgradeable to multi-degree node



40λ/80λ

### 5. High Reliability

Optical Layer Protection on a λ basis with less than 50 ms switching time.

### 3. Rapid provisioning

Remotely controllable λ add, drop or pass-through at any node for any λ.

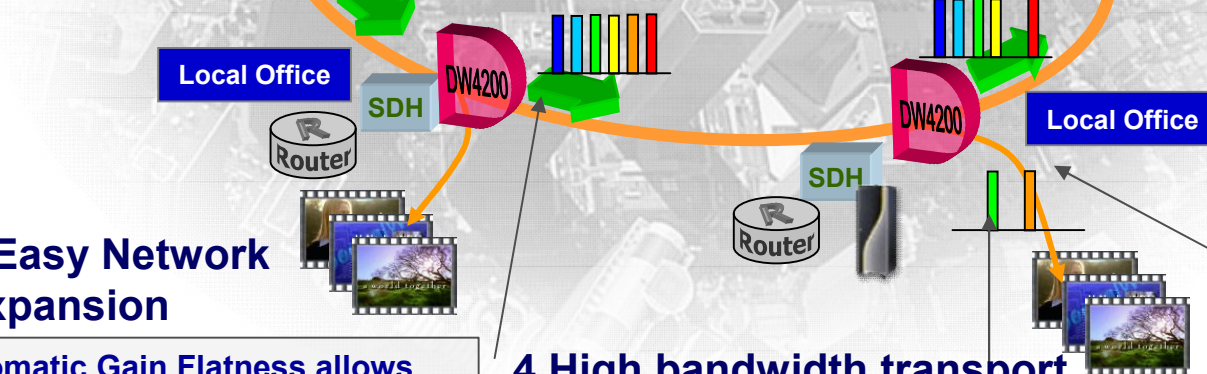
GMPLS Controlled

### 2. Easy Network Expansion

Automatic Gain Flatness allows easy λ expansion and network configuration upgrades without manual gain adjustment or complicated system redesign work.

### 4. High bandwidth transport

Optical Layer λ Drop & Continue for Point to Multipoint Video Distribution



# Scalable Multi-domain Routing System

## Background requirements

- Unified operation over metro/core transport networks
- Solid end-to-end path control/management

## Highlighted Features

- Scalable inter-domain optimal routing with multiple PCEs
- Enhance resilience with end-to-end diverse path
- Support of various constraints for operators' ideal path
- High performance path computation by optimized algorithm

