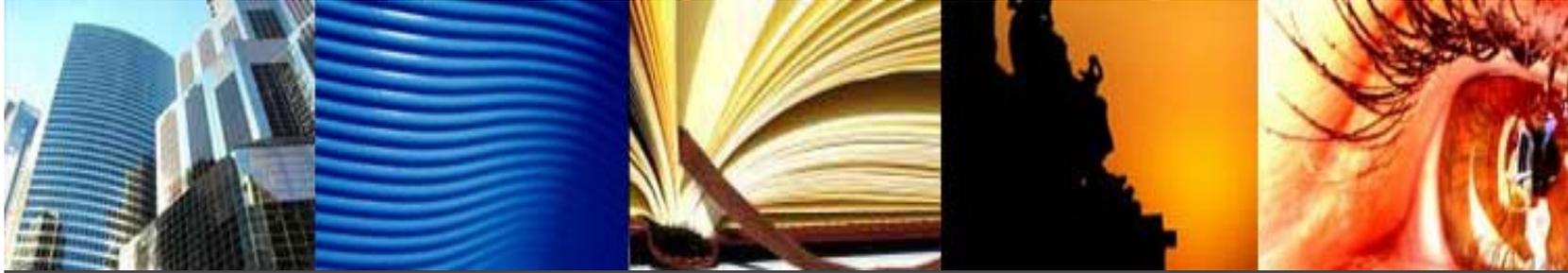


albedo **Interoperability** labs



Your Triple Play network in a rack



the Path to Excellence

◆ Complete Network in a rack

- Real CPE
- Access Network
- Aggregation
- Backbone
- Servers

◆ Unified Network Technologies

- VPN L2 / L3
- MPLS / VPLS
- C-Ethernet / IP
- Electrical and Optical Media



Real Triple Play Applications

◆ VoIP

- Complete VoIP telephony
- Internetworking to POTS

◆ IPTV, VoD, PVS

- Real Video Server
- Connections to head end
- Customizable Streamers

◆ High Speed Data

◆ Internet Access

- Gateways to Internet
- User Terminals



Interconnectivity Labs Features

◆ Planning Department

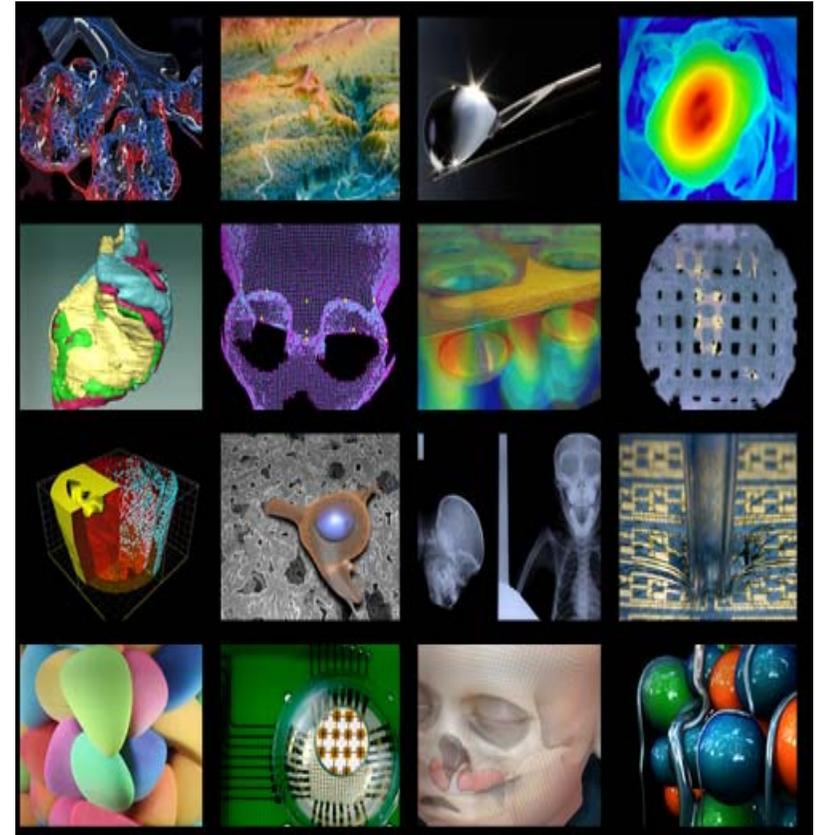
- Simulation of the network
- Testing new features
- Definition of the Architecture

◆ Full Performance

- Immediate changes implemented
- The whole network in a rack

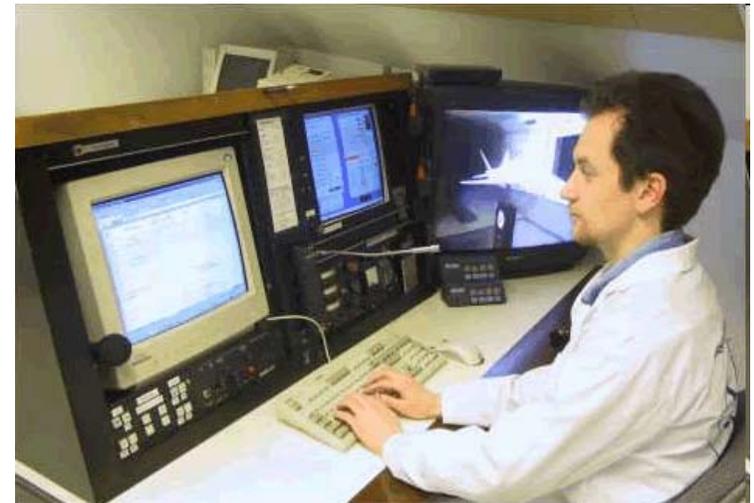
◆ Minimize Risks

- Everything can be replicated
- Full testing of new applications



Benefits

- ◆ **Allow execution of comprehensive test**
- ◆ **Complete emulation of a real network**
 - Includes a Controlled Impairments:
 - ▶ Packet Lost
 - ▶ Packet Jitter
 - ▶ Variable Delay
 - ▶ Disordering
- ◆ **100% Controlled environment**
 - Albedo can provide acceptance suites
 - Suites define Provider Requirements
 - Different networking scenarios included



Applications (I)

◆ Selection test

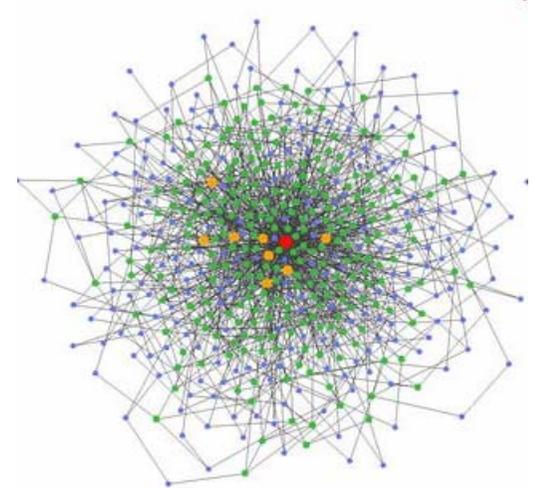
- Intended to compare devices from different vendors
- With a view to choosing one.

◆ Interoperability

- Between equipment of different vendors
- The goal of most vendors and operators

◆ Internetworking

- new deployments must operate with legacy
- new deployments must work with core networks



◆ Emulation of the future Triple Play Network

- Just a rack necessary
- Available for Engineers



◆ Approval test

- Devices must conform international standards,
- And particular implementation of each deployment



◆ Acceptance procedures

- Provide the functionality needed
- Check if Compatible with existing technologies.



◆ Telecom Operators

- Triple Play Operators
- Interconnectivity Labs
- Service Providers

◆ Large Private Organizations

- Petrol & Gas companies
- Hotel resorts
- Banks
- Defense Ministry

◆ Medium size Multimedia providers

- Municipalities
- Local provider of VoIP / IPTV services



That's all



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Telecom
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