

- Modulator extinction ratio, *1dB Power Penalty*Polarisation Mode Dispersion, *negligible*
- Polarisation Dependent loss, 3dB Power Penalty
- Cross Talk, *1dB Power Penalty*
- Non-Linear effects, negligible.

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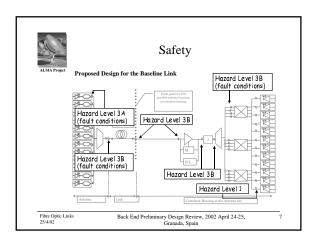


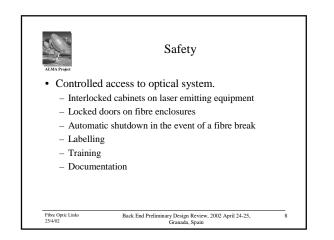
## Notes on the Design

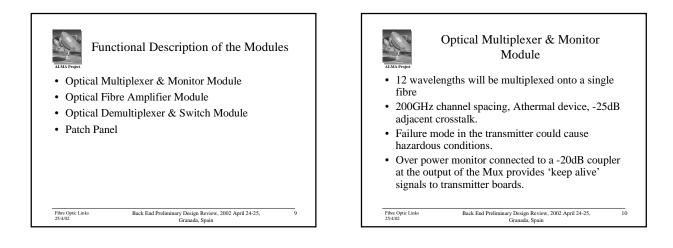
- Fibre Choice
  - Standard Single Mode fibre, G.652
- Transmitter choice
  - Integrated EA Modulated package (upto 80km transmission)
- Total Attenuation, dispersion & polarisation mode dispersion are a function of link length. Design dependent on link length

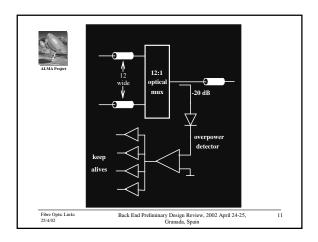
Fibre Optic Links 25/4/02 Back End Preliminary Design Review, 2002 April 24-25, Granada, Spain

Fibre Optic Links 25/4/02









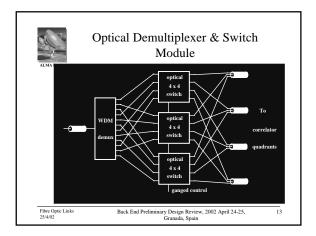


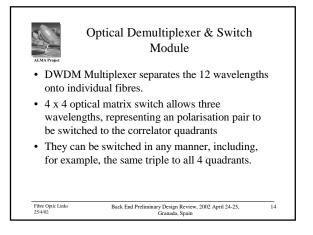
## Optical Fibre Amplifier

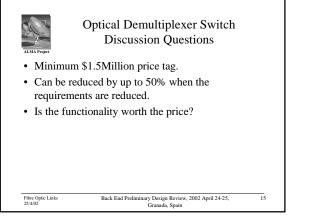
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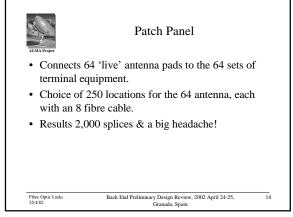
- Used to compensate for loss in optical components.
- Single pump unit suitable for DWDM applications
- 20dB gain, NF < 6dB, maximum output +17dBm (total)
- Hazardous output protected by automatic shutdown.

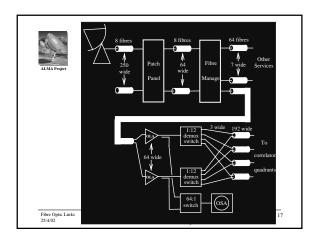
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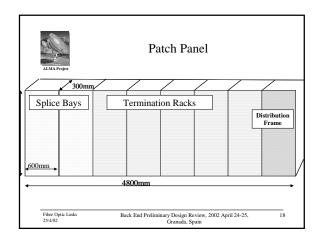


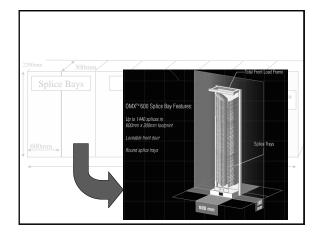


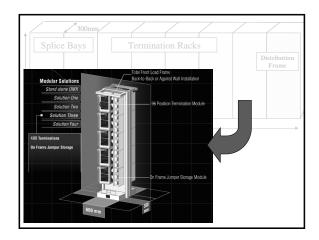


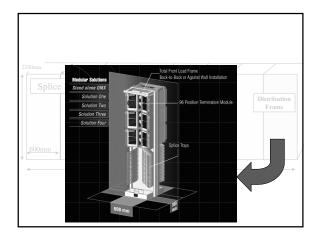


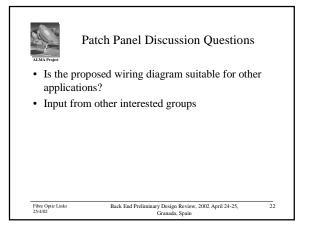


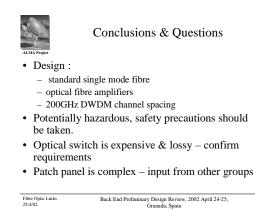












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