Waveguide Devices in PPLN

- Waveguide devices in Periodically-Poled Lithium Niobate (PPLN) can perform many all-optical functions for telecommunications systems.

- Examples of all-optical functions:
  - wavelength conversion
  - dispersion compensation
  - high speed modulation
  - Kerr-effect compensation
  - optical header recognition

- PPLN waveguide fabrication
  - electric field poling
  - annealed proton exchange

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