Green Technology
Photoelectric converge technology for reducing environment impact
Innovative optical transceiver technology for highly power efficient photonic network

- Use of densely integrated electronic-photonic ICs
- New optical transceiver architecture adopting function offloads from electronics to photonics

Integrated Photonics for Green Networking

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Optical Digital-to-Analog Convertor

- Architectural advantage
  - Eliminates high-speed analog driver amplifier
- Benefit
  - >60% power reduction in optical transceiver

This technology is based on results obtained from a project, JPNP13004, 14004, 16007 commissioned by the New Energy and Industrial Technology Development Organization (NEDO).
Thank you