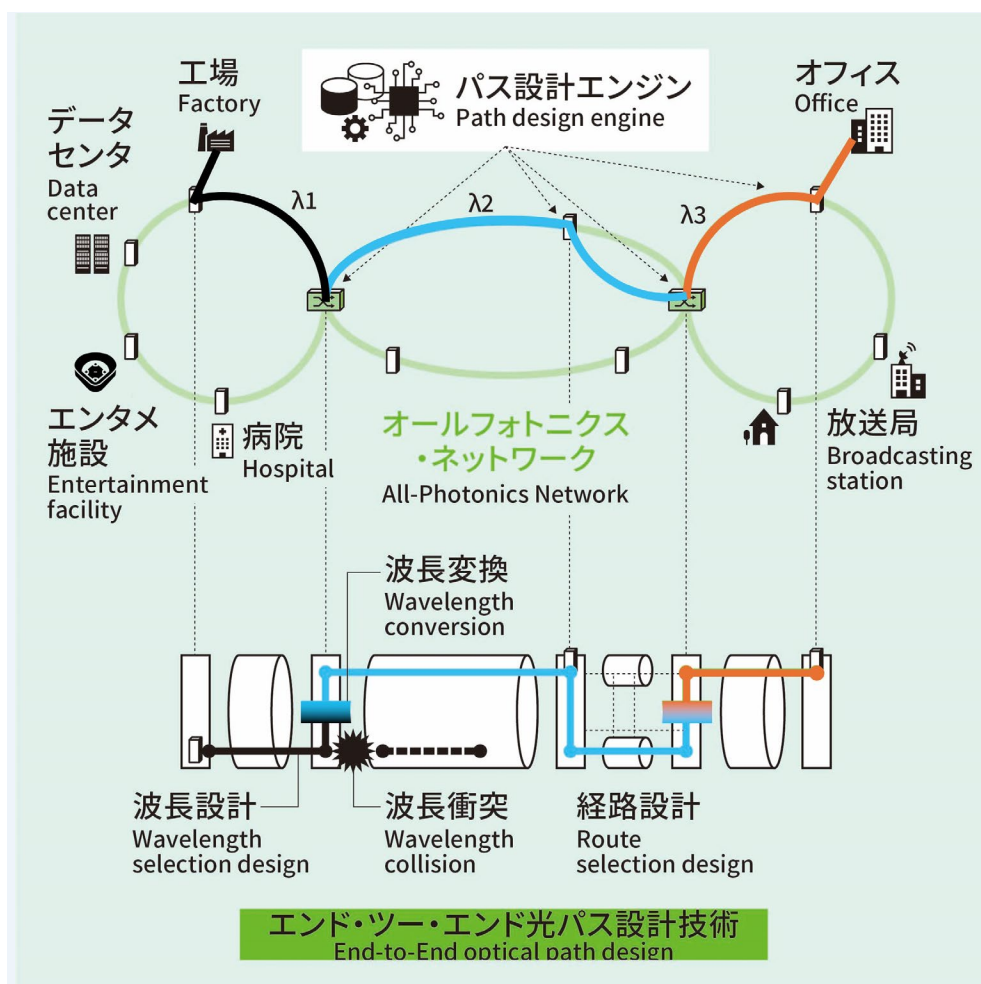


## Toward future APN~ End to end optical path design technology

Economize the NW and provide end-to-end optical paths on-demand at low cost by improving optical path accommodation

#Productivity Improvement #Business Resilience



## ///Technical Issue

A balanced optical path finding method between wavelengths, pathways and costs is required, considering the implementation of wavelength conversion technology.

## ///Research Goal

Improvement of resource utilization efficiency of APNs by improving the accuracy of wavelength and routing, thereby reducing facility costs.

## ---Technology

Technology for designing optical path routes and wavelengths with high wavelength utilization efficiency according to the usage of wavelength resources in optical path networks with wavelength conversion technology.

## ---Novelty

A routing algorithm that estimates path length and wavelength conversion and their impact on transmission quality, and designs routes that span multiple networks.

## ---Applicable Business

On-demand optical path connection service