

Autonomous Optical Path Conditioner

- Autonomously compensate the group velocity dispersion of dynamically switched optical paths with dispersion monitoring.
 - **Parametric tunable dispersion compensator (P-TDC)** provides seamless and broadband operating bandwidth and sub-millisecond response time by using state-of-the-art highly non-linear fibers (HNLFs) and fast control electronics. A 'black-box' P-TDC was developed under the collaboration with Furukawa Electric and Trimatiz.
 - **Dispersion monitor** with fast response by Fujikura.
 - **Tunable laser** by Sumitomo Electric Industries with sub-millisecond wavelength switching time for the pump source of P-TDC.

