



# Optical Timing Solutions

## **PRTC-grade timing over DWDM networks**

Across all industries, synchronization networks are facing a key challenge. From broadcast to utilities to government, new levels of reliability and accuracy are needed. To achieve the robust synchronization necessary for emerging applications, such as smart grids and 5G, operators need to find a new way to mitigate GNSS's vulnerability.

Unlike other delivery mechanisms, our optical timing channel (OTC) solution uses the DWDM transport layer to carry highly precise, PRTC-grade timing from the core of the network all the way to the edge. In combination with ultra-precise boundary clocks, we're able to deliver whole new levels of accuracy and reliability while at the same time simplifying network management and reducing cost.

## **Highly Accurate PTP Transport**

Reliable and resilient way to achieve unprecedented levels of timing precision throughout the network.

## **Ultimate protection against GNSS failures**

Our hardware-redundant synchronization solution meets even the most stringent availability needs of critical infrastructure and business continuity.

## **Future-proof timing**

Our OTC technology delivers the benefits of a fully integrated synchronization overlay solution, enabling operators to protect their investment by harnessing rapid innovation cycles.

***To learn more about our best-in-breed technology, contact Techgardens today.***