

## FEMTOSECOND PRECISION

# Fiber-Optic Timing Distribution & Synchronization

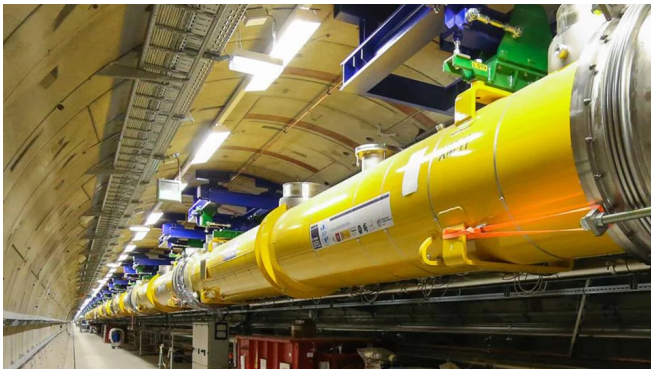
Cycle is a young deep-tech company, funded as a spin-off from the *Deutsches Elektronen-Synchrotron* (DESY) in Hamburg in 2015. We offer a wide range of optical-based, modulable synchronization solutions for demanding applications as well as low-noise femtosecond laser sources.

We develop and manufacture optical frequency and time (F&T) generation and distribution systems renowned for their exceptional precision as well as low-noise fiber lasers.

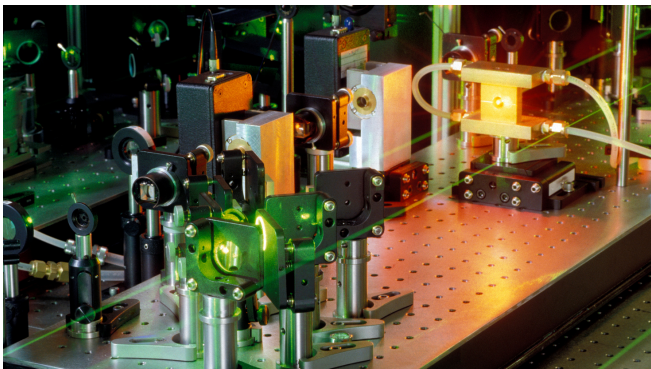
Our systems are utilized in ground-based space telescopes, particle accelerators, and high-power laser facilities all around the world.

- Low-noise femtosecond lasers
- Timing jitter characterization
- Optical timing distribution & synchronization
- Microwave Phase detection
- Frequency & Time distribution over fiber

### Free-Electron Lasers



### Ultrafast Lasers



### Radio Telescopes



### Synchrotrons





## OUR HIGH-PERFORMANCE SOLUTIONS



### SONATA

1030-nm SESAM-free, all-PM Low-noise fiber lasers



### TC-BOC

Lowest noise synchronization between femtosecond lasers



### PULSE

Lowest noise optical timing distribution & synchronization



### WAVE

Precision frequency and time distribution over fiber



### BOMPD

Lowest noise synchronization between femtosecond lasers



### SOPRANO-CA

Femtosecond laser for material processing and multiphoton imaging

## WE WORK WITH

