

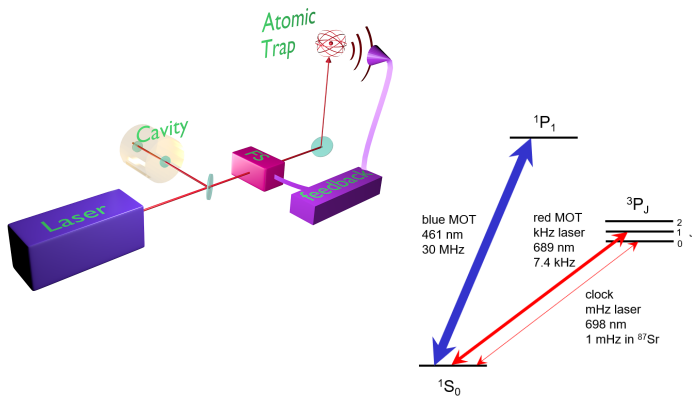


AQURA

Advanced Quantum Clock for Real-World Applications
Transportable Sr lattice optical clock
The first high-TRL, high-performing optical atomic clock build by industry

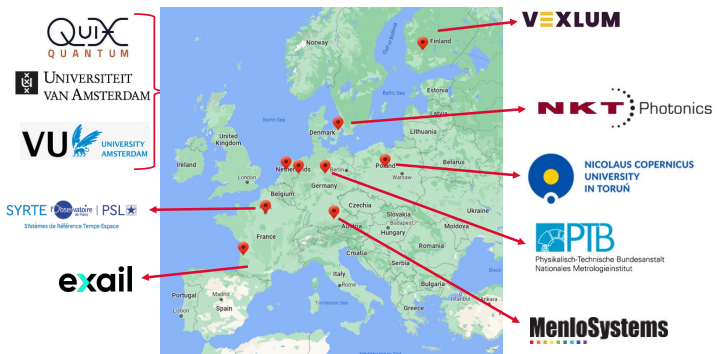


Sr optical lattice clock



- Small SWaP and portable; rack-mounted
- Aimed at 5×10^{-18} stability
- Technology Readiness Level 7

AQURA Consortium Partners

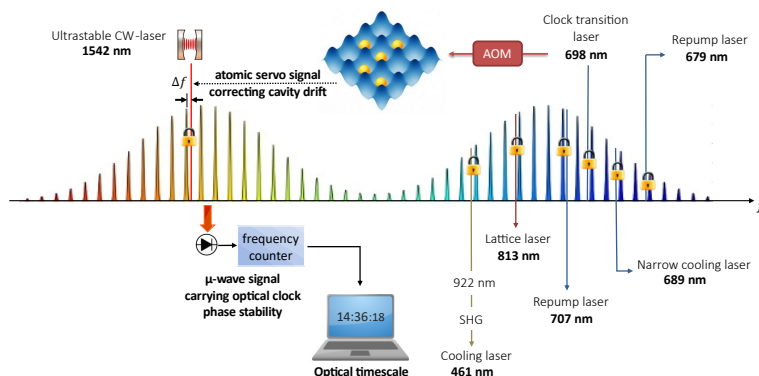


10 partners from 6 countries

- Companies
- National Metrology Institutes
- Universities

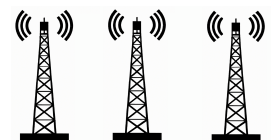
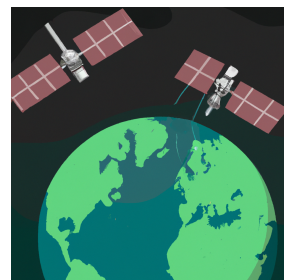
More information: <https://www.aquraclock.eu>

Laser system



- Ultra-low-noise optical frequency comb
- Cavity-stabilized laser with sub-Hz linewidth
- Spectral broadening unit, CW lasers, physics package, and locking electronics mounted in 4 racks

Atomic clock applications



- Communication
- Geodesy and global height reference
- Radar
- Position, navigation and timing
- Standards
- Space
- Fundamental science

MenloSystems

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