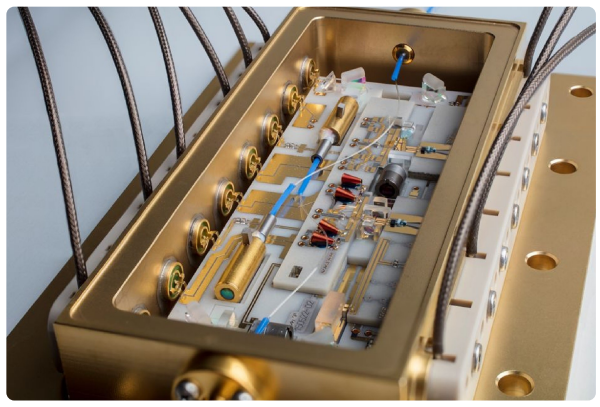

AI-ARTIQ

Collaborative project for research on and proof-of-concept demonstration of a smart industry-grade control platform for laser sources and atom interferometer-based quantum sensors.

AI-ARTIQ is co-financed by the European Regional Development Fund (EFRE).

EUROPÄISCHE UNION
Europäischer Fonds für regionale Entwicklung

QUARTIQ GmbH was founded in 2017 in Berlin, Germany, by the initiators of the international collaboration on open hardware and software for quantum technologies (projects ARTIQ and Sinara). Its mission is to create algorithms and design components for distributed scalable high-performance measurement and control tasks.

quartiq.de

FBH is Europe's leading research institute in the field of GaAs diode lasers, for which it runs a complete III/V semiconductor fab. It has developed a worldwide unique hybrid micro-integration technology which allows for the implementation of very complex but compact and robust, industry-grade electro-optical modules.

www.fbh-berlin.de

Creotech Instruments S.A. was established in 2008 as a spin-out of a scientific project "Pi of the Sky". The company employs about 70 people, mostly engineers and scientists. Its dedicated R&D and production teams specialize in design and manufacturing of electronics for space and scientific instrumentation as well as scientific cameras for astronomical purposes.

creotech.pl

University of Warsaw carries out research in a variety of fields of modern physics: from solid state physics and optics, through biophysics and medical physics, all the way to nuclear physics and the physics of elementary particles and the fundamental interactions. The Quantum Gases Laboratory, led by dr. Mariusz Semczuk, participating in this project, is the first experimental research group in the Faculty of Physics at the University of Warsaw that focuses on ultra-cold atoms and their applications to fundamental studies of quantum matter.

www.fuw.edu.pl