

Largest quantum facility to equip stealth submarines

Chinese authorities are reportedly preparing to start construction on what will be the world's largest quantum research facility, reports the South China Morning Post.

The facility is reportedly being built in Anhui's provincial capital, Hefei. It's to be home to research into new technologies.

The report suggests the scientists will be working on the development of "quantum metrology," a process which could help improve submarine's stealth operations.

Submarines equipped with a quantum navigation system should – theoretically – be able to operate underwater for more than 3 months without having to surface to receive satellite positioning signals.

The South China Morning Post is also reporting the facility in Hefei will be used to develop a quantum computer capable of decoding encrypted messages within seconds.

Developers will be invited to bid for the contract later this month. Construction is expected be completed by 2020.