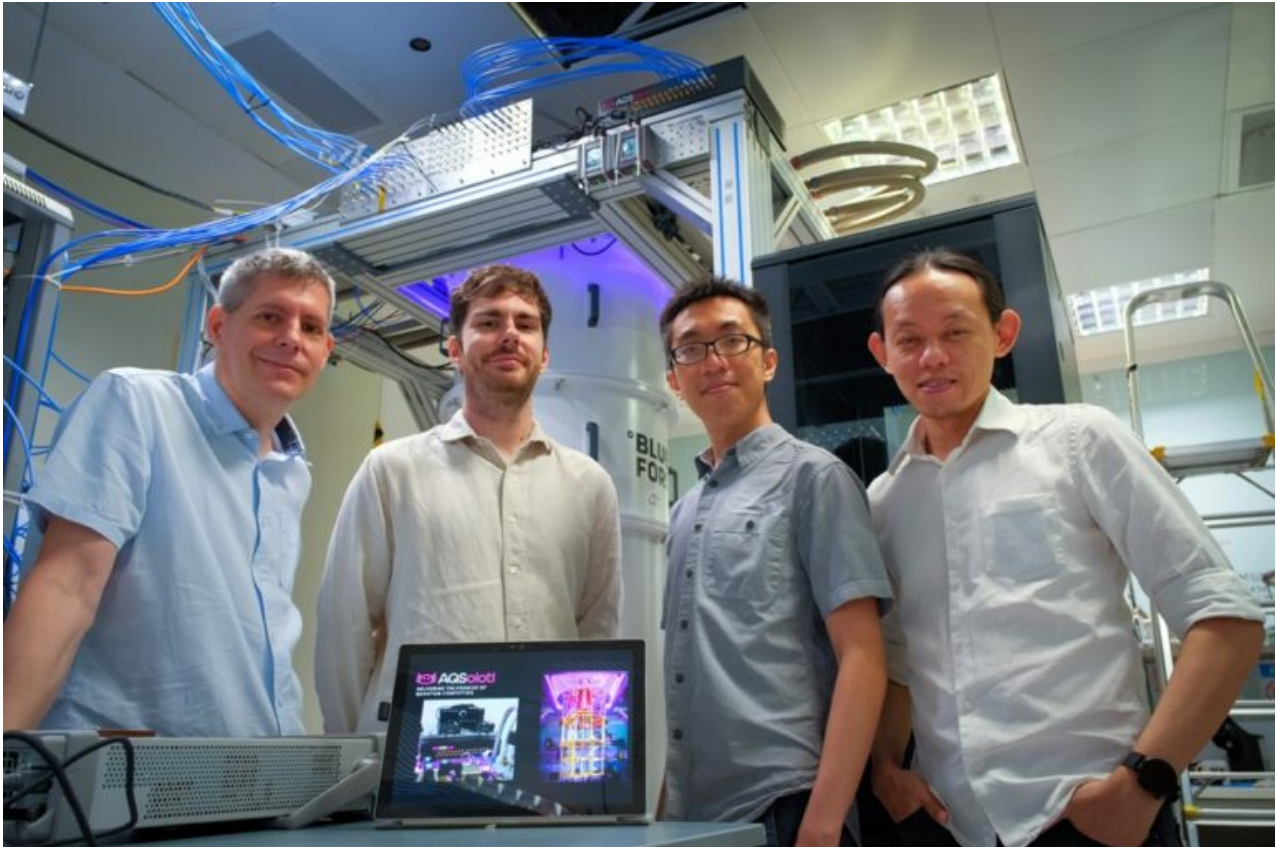


Singapore's AQSolotl Introduces CHRONOS-Q: A Quantum Controller for Use in Integrating Classical and Quantum Computers

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In a pioneering move for quantum technology, Nanyang Technological University (NTU) and the National University of Singapore (NUS) have launched AQSolotl, a deep-tech startup presenting CHRONOS-Q—a state-of-the-art quantum controller designed to integrate classical computing systems with quantum computers. This innovation positions Singapore at the forefront of the global quantum ecosystem, with wide-ranging applications across industries.

CHRONOS-Q tackles the complexity of controlling quantum computers by acting as a translator between classical and quantum systems. It enables efficient control via standard computing devices, features an intuitive interface, and significantly reduces operational barriers, paving the way for broader adoption. Its modular, compact design ensures scalability and suitability for diverse environments, from research labs to mobile quantum setups.

With groundbreaking speed—determining qubit states in under 14 nanoseconds—and customizable firmware, CHRONOS-Q promises cost-effective, future-proof solutions for academia and industry. The startup's founders, including Professor Rainer Dumke from

NTU and CEO Patrick Bore, emphasize the transformative potential of accessible quantum computing for solving global challenges.

Backed by NTU and NUS through equity stakes and guided by innovation initiatives, AQSolutl is poised to advance quantum technologies, enhance global accessibility, and cement Singapore's role as a quantum innovation leader.

For more information, refer to the announcement [here](#) and a press release posted at EurekAlert [here](#), along with a Close-up picture [here](#).

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