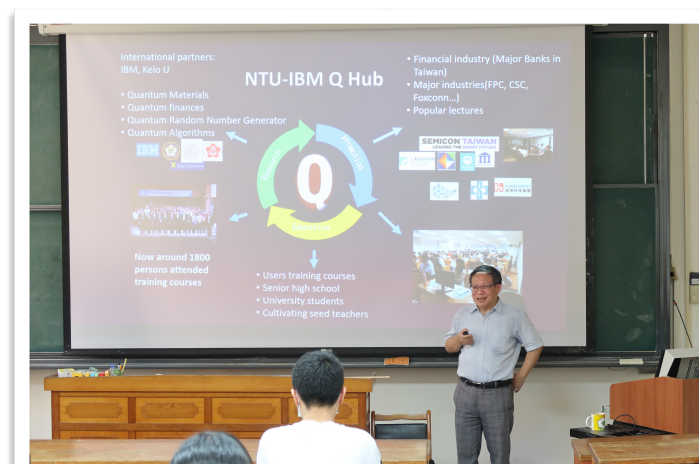


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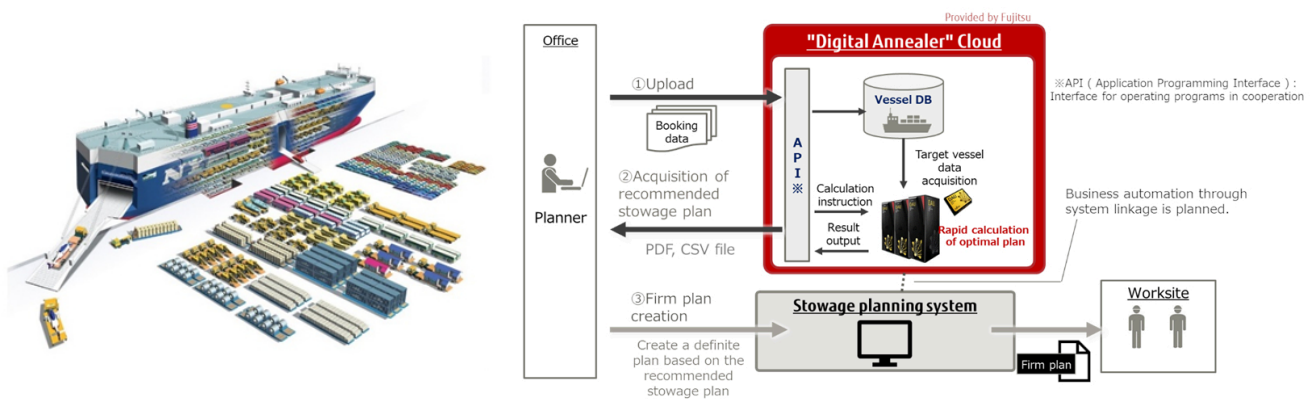
2021 high school quantum computing summer camp

From Aug 23 to 27, NTU-IBM Quantum Hub collaborated with Taiwan Association of quantum computation and information technology (TAQCIT) and Foxconn Education Foundation hold a quantum computing summer camp for high school students. This camp is targeted toward high school students with no prior quantum computing experience. Due to the Covid-19 pandemic, this time, the organizers provided online course and in-person class for high school students in Taiwan who are interested in learning quantum computing.

The second quantum revolution is unfolding now, high school students should be well prepared for worldwide competition in quantum technology. Therefore, the course is designed to make quantum computing accessible to high school students with basic math skill. In this five-days camp, they learned about quantum computing, covering topics such as quantum physics, quantum computation, and quantum algorithm. Through hands-on activities, students learn how to construct quantum circuits and algorithms on [IBM Quantum Composer](#) and let them have a clearer understanding of quantum computing.

FUJITSU AND NYK STREAMLINE STOWAGE PLANNING FOR AUTOMOBILE CARRIERS BY LEVERAGING QUANTUM-INSPIRED 'DIGITAL ANNEALER'

Fujitsu Limited and Nippon Yusen Kabushiki Kaisha (NYK) announced the introduction of Fujitsu's quantum-inspired Digital Annealer technology to significantly streamline complex stowage planning for car carriers by this technology's world-class combinatorial optimization capabilities. In the initial tests, the two companies successfully reduce the time to create a stowage plan from 6 hours to 2.5 hours per ship. After that, Fujitsu and NYK have launched a real-world operational trial of the technology on September 1st, and will commence full-scale operational use in April 2022. They ultimately aim to contribute to the reduction of greenhouse gas emissions across the automobile shipping supply chain, improving the efficiency of cargo handling and ship operations to contribute to the realization of a more sustainable future.



source: Fujitsu

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