QruiseOS

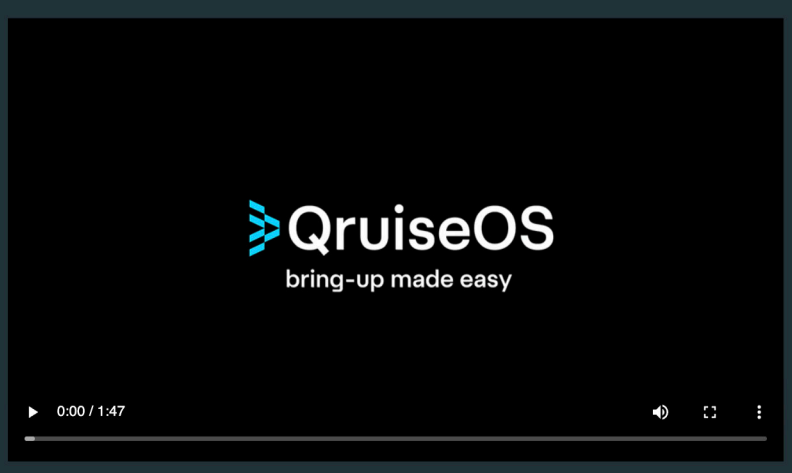
Rapid automated bring-up for quantum

Accelerated bring-up
Significantly reduce the time and effort required to bring a quantum device online

Ongoing recalibration
Combat drift to maintain the performance and reliability of your system

Autonomous characterisation
Unlike human researchers, QruiseOS never sleeps, allowing you to run experiments 24/7

Flexible & secure deployment
Install QruiseOS on-premises, in a fully offline, secure and private infrastructure

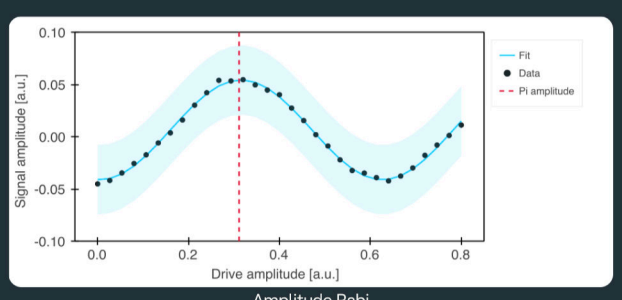


QruiseOS is our automated bring-up platform for the rapid characterisation, calibration, and optimal control of quantum devices.

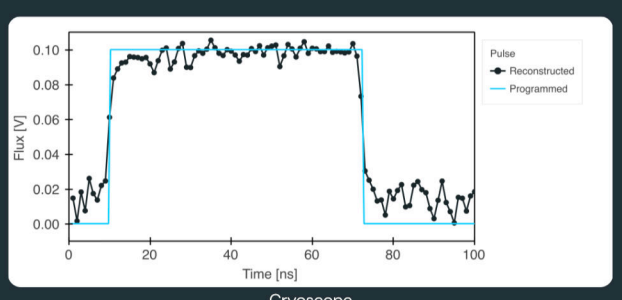
It enables users to connect characterisation experiments to a model database, define sequences and dependencies between them, and execute these either in automated batch mode or interactive debugging mode. With access to over 40 standard experiments - or the option to integrate custom ones - QruiseOS offers maximum workflow flexibility. The comprehensive QruiseOS Dashboard allows users to submit jobs, monitor key metrics, review past runs, and quickly identify and investigate anomalies.

QruiseOS integrates seamlessly with quantum hardware via APIs from control electronics software and supports cloud-based, as well as on-premises, workflows by generating a Qiskit-compatible quantum service. In this way, QruiseOS streamlines bring-up and accelerates the development of next-generation quantum technologies.

40+ characterisation experiments



Amplitude Rabi



Cryoscope

Platform independent

superconducting · Rydberg atom · trapped ion · NV centres · spin qubits

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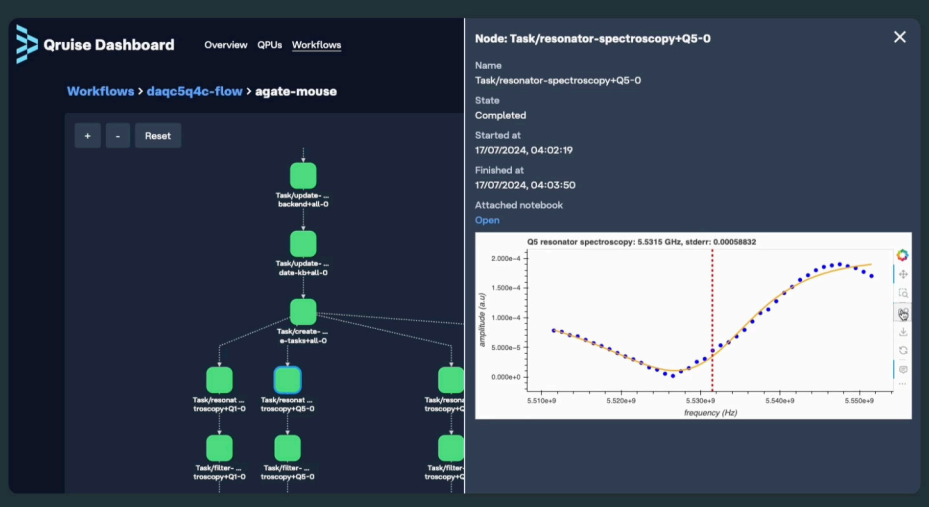
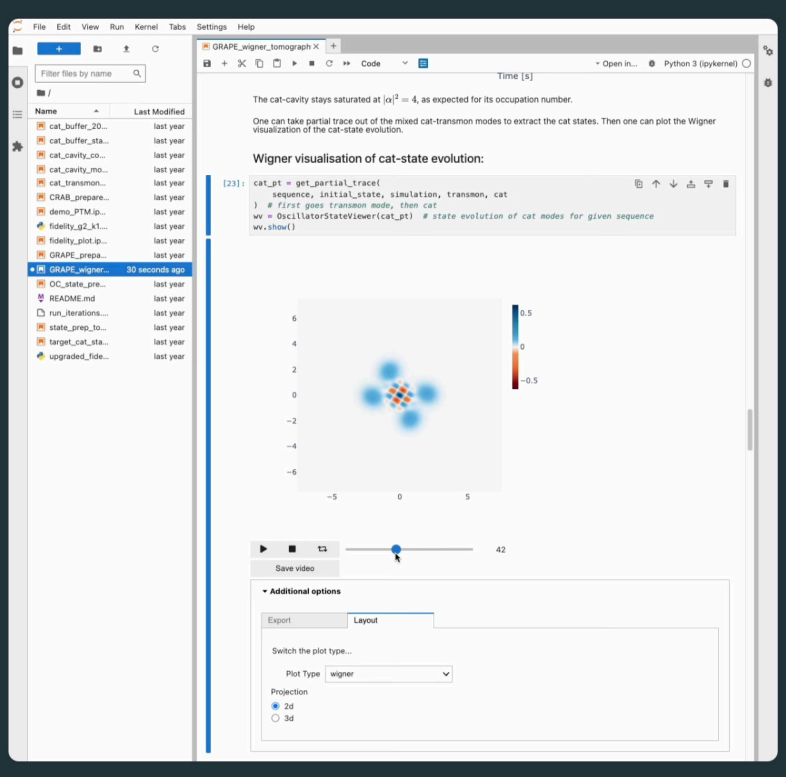
Visualisation kit

QruiseOS features multiple visualisation tools to help you understand your quantum device and all your experiments.

Directly access the results of each experiment through interactive plots.





Visualise experiment data in Jupyter notebook cells with our interactive widgets.

Book a demo

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