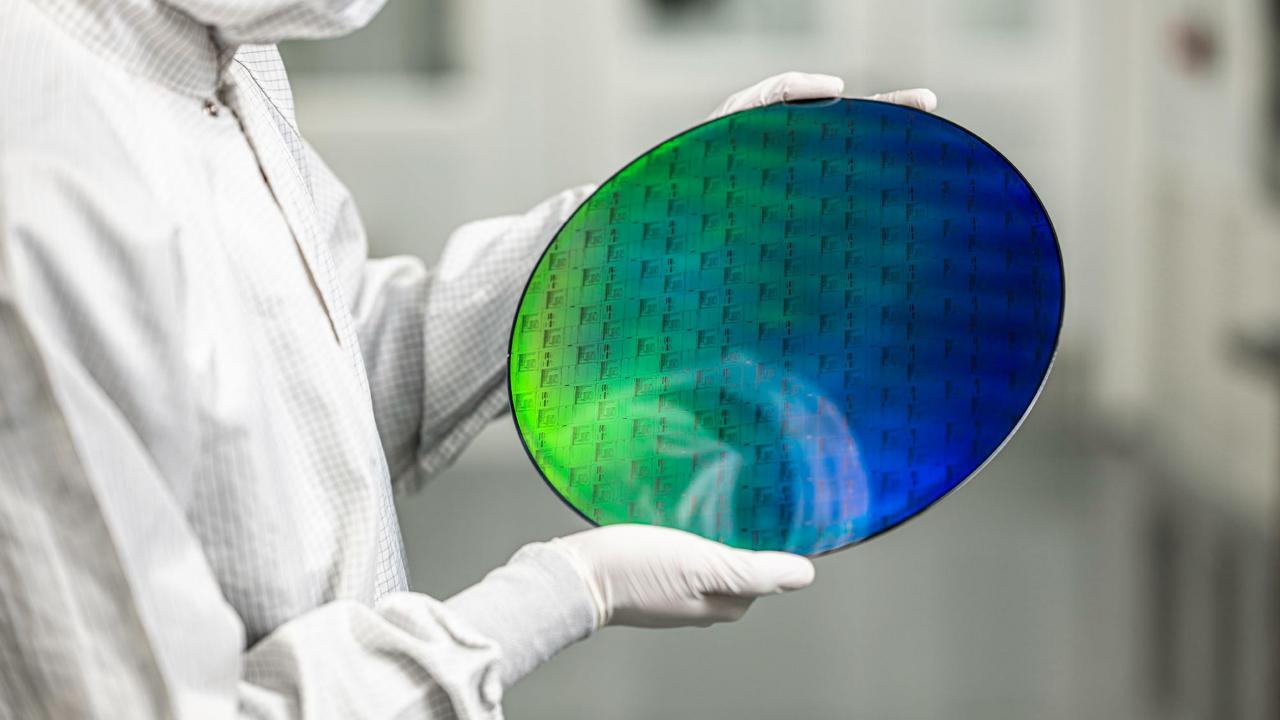
Ψ PsiQuantum

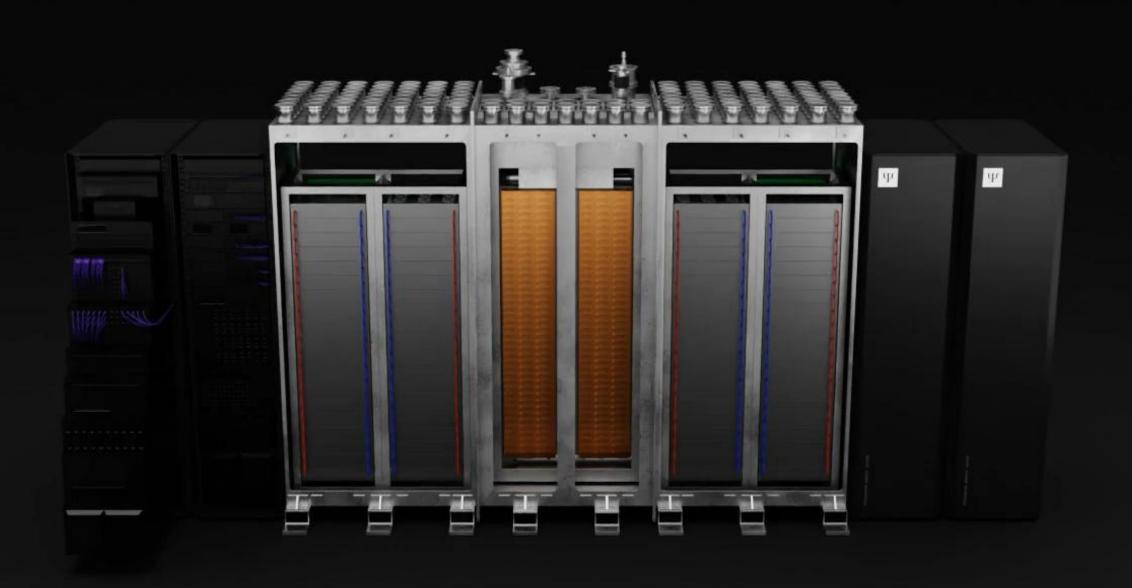


PsiQuantum is a quantum computing company on a mission to build and deploy the world's first useful quantum computers.

This is what we'll be talking about today!

PsiQuantum is a scary place to work at







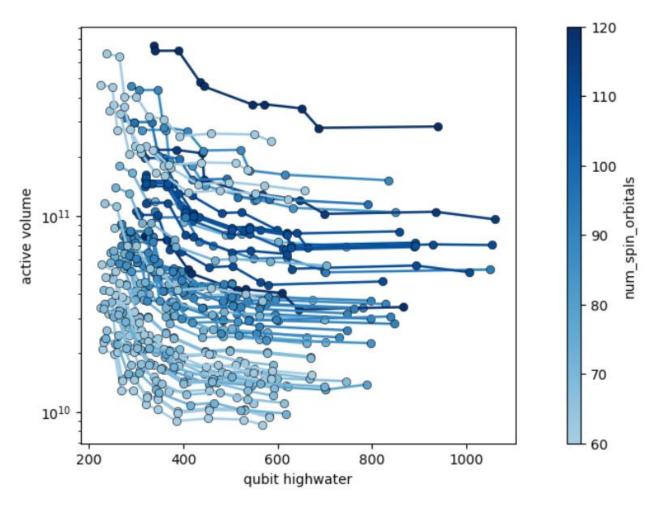


Our Development Tools Accelerate Use Case Optimization

			PsiQ Tools
	Algorithm Down Selection	Weeks	> Days
	Algorithm Instantiation	Months	> Days
(ô) (ô)	Compilation	Months	> Days
8780	Resource Estimation	Weeks	Minutes
	Optimization	Months	→ Weeks

Fast quantum simulation of electronic structure by spectrum amplification

Guang Hao Low,^{1,*} Robbie King,^{1,2} Dominic W. Berry,³ Qiushi Han,⁴ A. Eugene DePrince III,^{1,5} Alec White,⁶ Ryan Babbush,¹ Rolando D. Somma,¹ and Nicholas C. Rubin^{1,†}



https://arxiv.org/abs/2502.15882

https://github.com/isi-usc-edu/qb-gsee-benchmark/

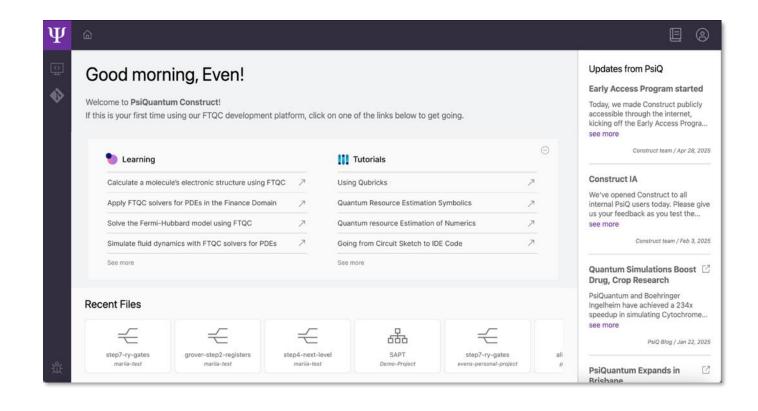


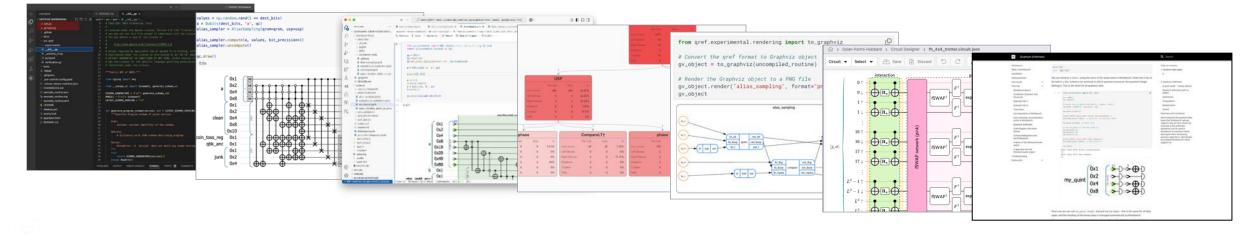


Introducing

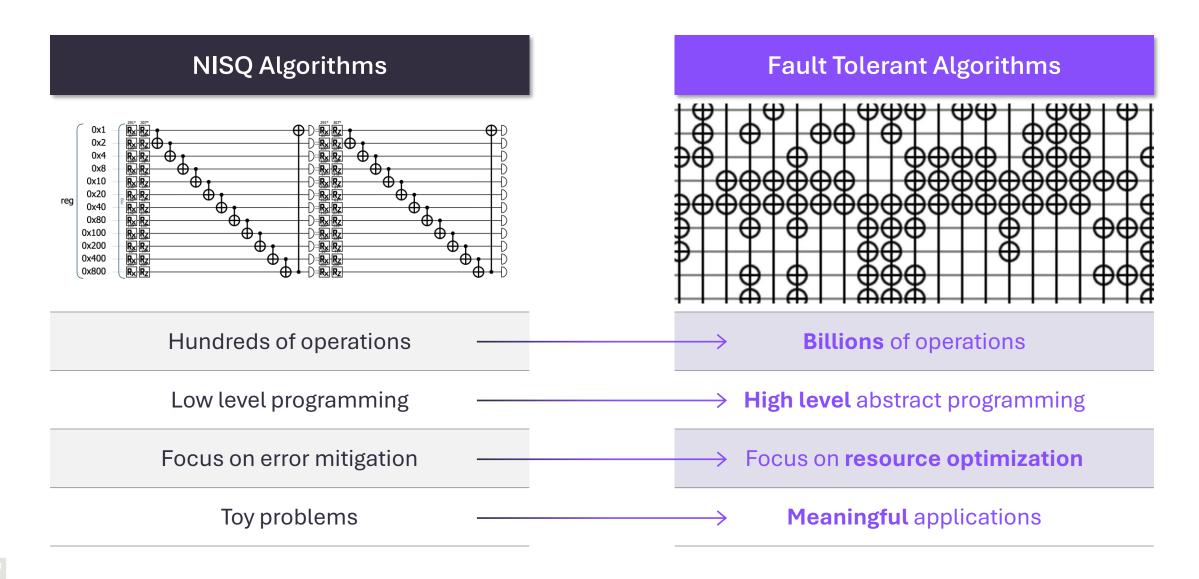
Introducing Construct™

Expert-Driven Platform to Develop Fault Tolerant Quantum Applications

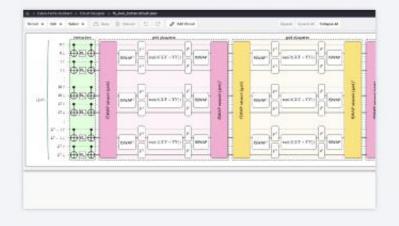




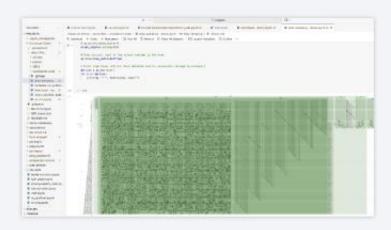
Fault Tolerant Algorithms are Fundamentally Different



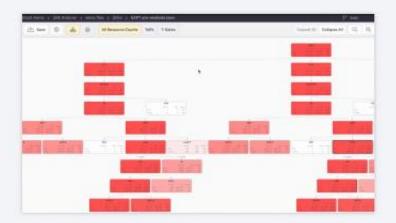
Design



Develop



Optimize



Circuit Designer

W Workbench

Ra Resource Analyzer

Thank you!

To sign-up for construct access:

https://www.psiquantum.com/software#apply



Michał & Konrad's newsletter:

https://www.qse-newsletter.com

PsiQuantum is hiring:

https://www.psiquantum.com/open-roles