

D:WAVE

Quantum Powered **Production** Applications

A COMPREHENSIVE, FULL-STACK, COMMERCIAL QUANTUM PLATFORM

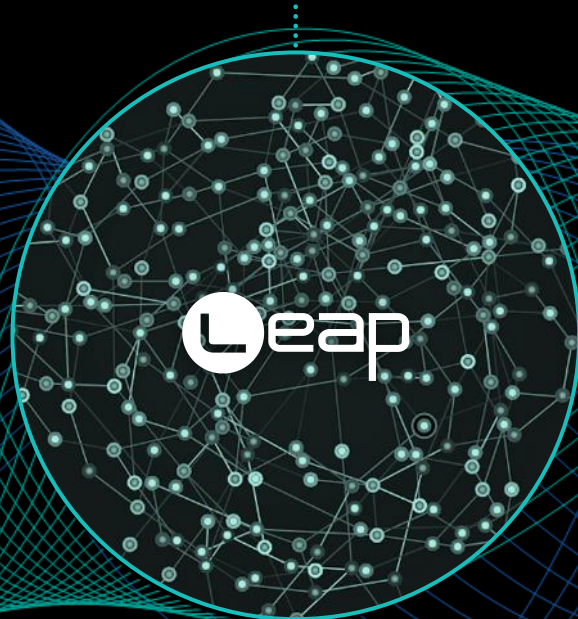
QUANTUM COMPUTERS



5 generations of annealing quantum computers

Currently
5000+ Qubits

CLOUD SERVICE



Cloud access to the D-Wave quantum computer & quantum hybrid solvers

99% up-time
with real time access

DEVELOPER TOOLS



Open-source developer tools built in Python

Available through Leap IDE or local download

PROFESSIONAL SERVICES



Customer onboard to quantum computing applications

4 Phase engagement model

QUANTUM READINESS CONTINUUM

1

QUANTUM CURIOUS

- Bold and innovative leaders who want to push the boundaries of what's possible
- Interested in learning more about quantum-based solutions

3

PRIORITIZING USE CASES

- One or more specific use cases identified for quantum-based solutions
- Interested in prioritizing use cases and demonstrating business value with a prototype

2

IDENTIFYING USE CASES

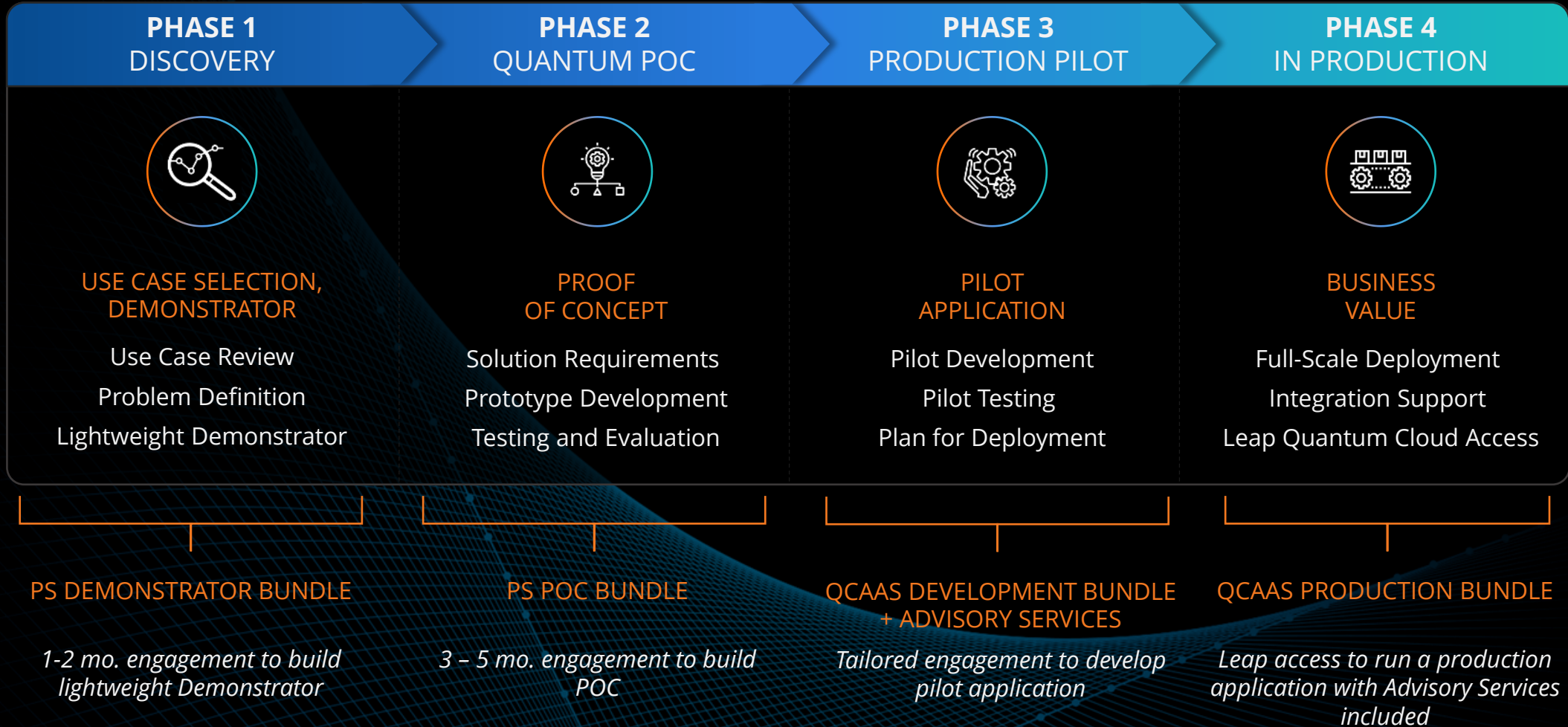
- Seeking guidance to identify the best use cases for quantum-based solutions
- Need help socializing quantum computing across the organization

4

ACTIVE DEVELOPMENT

- Actively using and developing with quantum technologies
- Need support to get past obstacles or further refine an existing solution

D-WAVE LAUNCH: ACCELERATE YOUR QUANTUM JOURNEY WITH VALUE-DRIVEN, BUSINESS-OUTCOME DRIVEN SERVICES



The D-Wave logo consists of the text "D:wave" in a white, sans-serif font. The "D" is a solid white block letter, followed by a colon, and then "wave" in lowercase. A thin blue horizontal line is positioned directly beneath the "D:wave" text.

D:wave

Production Applications



The quantum cloud service built for business

Leap is the quantum cloud service featuring real-time access to the Advantage quantum system and a Quantum Application Environment from D-Wave.

Leap™ brings quantum computing to the real world by providing immediate cloud access to D-Wave™ resources:

- Quantum computers (QCs) you can program.
- Quantum-classical hybrid solvers that accept larger than processor problems.
- Open-source software and support for local or cloud-based integrated development environments (IDEs) for developing your own quantum applications.



→ Take the Leap today:
<https://cloud.dwavesys.com/leap/signup>

Additionally, Leap provides a comprehensive learning environment: find out what types of problems the D-Wave QC can solve, run interactive demos that actually submit problems to the quantum computer, take advantage of numerous coding examples from a variety of fields, read our documentation, and join the growing conversation in our community of like-minded developers.

Practical Approach

Get started writing useful quantum applications:

- You do not need to be a quantum physicist to write software for the D-Wave system.
- From beginner to advanced, any developer can get started building and running quantum applications.
- Developers can collaborate in our growing quantum community.
- More than 250 applications across domains like optimization, AI, and materials sciences already exist on D-Wave systems today.

Problem Solving at Scale

The Leap hybrid solver service (HSS) accepts problems of up to one million variables and solves them on a combination of quantum and classical resources using advanced algorithms. This means that Leap is suitable for truly enterprise-scale problem solving. The suite of hybrid solvers address problems in various forms.



Leap™ QCaaS Production Service

Integrating and Deploying Quantum-Hybrid Applications into Enterprise Operations
To support customers in the successful deployment of quantum-hybrid applications in production, D-Wave offers the Leap QCaaS (Quantum Computing-as-a-Service) Production Service, featuring a comprehensive collection of Leap quantum cloud features and services to help you manage, maintain, and update your quantum applications for daily enterprise operations at scale.

Full-stack, value-driven, and focused on business outcomes: Our full-stack QCaaS platform enables you to run quantum-hybrid applications that bring business value today.

Real-time, native cloud: Our Leap quantum cloud service delivers immediate, real-time cloud access to best-in-class hybrid solvers and the latest Advantage™ quantum computers, all with enterprise-class performance, scalability, and security.

Comprehensive production tools: Whether you are running a lightweight application or a modern software development process, the Leap QCaaS Production Service provides all the cloud features, access, and services needed to successfully deploy and operate your quantum-hybrid application.



Key Benefits:

- Supports production applications that integrate into your existing application pipeline while helping to maximize ROI for your core business
- Provides access to all the resources in the Leap service necessary to operate your quantum-hybrid application in a production environment
- Supports multiple projects to enable a modern software development pipeline with separate environments for development, staging, and production
- Provides secure authentication between your application and the Solver API
- Safeguards data security: the Leap service is SOC 2® compliant, attesting that data is protected with industry-standard processes and controls regularly assessed by independent auditors
- Provides high availability to support production-grade operations (>99%)
- Publishes real-time component status information

Service Contents:

- Annual subscription
- Access to all quantum and hybrid (quantum-classical) solvers
- Full suite of Ocean™ software and other Python programming tools in a prebuilt development container to streamline cloud-based or local IDE usage
- Access to an administration portal in the Leap service for managing resources and users across multiple projects
- Immediate access to every new feature release
- Dedicated and responsive support from the D-Wave Support and Customer Success teams to help you maximize the business value of your application
- Advisory services to assist with application enhancements or the implementation of new use cases
- Service levels available to match the unique needs of your business and applications

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For more information, visit www.dwavequantum.com.

BUSINESS-CRITICAL GROCERY TASKS IN MINUTES INSTEAD OF HOURS



Pattison Food Group

"We will be the first grocery chain to actually use quantum computing to serve our business needs."

—BENNY WAI, MANAGER OF ANALYTICS DEVELOPMENT AT PATTISON

< 2 MINUTES

25 HOURS
TO < 2 MINUTES

LOGISTICS OPTIMIZATION AT PORT OF LA WITH QUANTUM COMPUTING



60%

MORE CARGO
HANDLED EACH DAY
PER CRANE

SAVANTX

D-Wave's quantum system is used as part of the SavantX HONE optimization engine at the Port of Los Angeles. The goal is to expedite delivery of containers out of the terminal while increasing the amount of cargo that can be handled.

"With HONE and D-Wave, each huge crane handled 60% more cargo per day, while the turnaround time for trucks was reduced by 12%."

— SAVANTX TEAM

MAXIMIZING BRAND RECOGNITION



RECRUIT
Recruit Communications Co.,Ltd.

**BETTER
AND
MORE ROBUST
SOLUTIONS**

BUSINESS PROBLEM:

How can advertisers schedule television commercials to maximize their reach to consumers?

- Currently a very manual process
- Each viewer must watch commercials at least 3 times to maximize brand awareness and recognition

Solutions are built using estimated data and evaluated on real viewer data from live broadcast commercials.

D-WAVE SOLUTION:

In an in-depth analysis comparing D-Wave's CQM hybrid solver against CBC, CPLEX, and current manual processes, Recruit researchers saw better and more robust solutions with D-Wave.

BUSINESS VALUE:

"We confirmed that D-Wave's CQM solver performed the best, and it's actually better than the existing manual method by 90%."

—KOTARO TANAHASHI, RECRUIT COMMUNICATIONS

LEARN MORE ABOUT QUANTUM COMPUTING

CONTACT D-WAVE: Request additional information or schedule a meeting with us.
sales@dwavesys.com

D-WAVE LAUNCH PROGRAM: Learn about our multi-phased approach quantum computing adoption.
<https://www.dwavesys.com/d-wave-launch>

D-WAVE APPLICATIONS: Check out customer use cases and real-world applications.
<https://www.dwavesys.com/applications>

D-WAVE ONLINE RESOURCES: Explore resources for executives and developers. Videos, whitepapers, and more.
<https://www.dwavesys.com/learn/resource-library>

D-WAVE LEAP FREE SIGN-UP: Sign up for D-Wave Leap today to explore and get started.
<https://cloud.dwavesys.com/leap/signup>

D-WAVE QUANTUM TRAINING: Register for our core training and accelerate quantum application development.
<https://www.dwavesys.com/learn/training>

Thank You