1QBit

WHAT WE DO

1QBit develops solutions to industry's most demanding computational challenges by recasting problems to harness the power of quantum computing.

We partner with Fortune 500 clients and leading hardware providers to solve industry problems in the areas of optimization, simulation, and machine learning.

1QBit's team of researchers, industry specialists, and software developers understand the unique strengths of each type of quantum computing architecture and identify problems within industry that are well suited to benefit from these new approaches to processing.

We build the resulting solutions on top of our hardware-agnostic platform in order to future proof our partners by enabling their applications to continually improve alongside advancements in both classical and quantum processors.

ADVANCED SOLUTIONS

At 1QBit, we believe that quantum technologies will form the next pillar of computational progress. This will be a revolution unlike previous evolutions in computing. Our research, services, and technology are focused on leveraging the optimal use of computing power as technology advances.

Industries that are poised to benefit the most from embracing quantum technology include:

Life Sciences

Finance

Aerospace

Energy

Advanced Materials

Logistics

Telecoms

Automotive

TEAM AND EXPERTISE

The World Economic Forum named 1QBit a global Technology Pioneer in recognition of our leadership and ability to impact the world.

We are an interdisciplinary team of world-class mathematicians, physicists, chemists, engineers, operations research scientists, software developers, and quantum computing experts who design better solutions using both classical and quantum systems.

Optimization — Simulation — Machine Learning

PROCESS AND SERVICES

We work directly with industry-leading organizations to match their most challenging computational problems to the quantum and classical architectures that can solve them most effectively.

Quantum Opportunity Assessment

1QBit identifies which computationally intensive problems can benefit from quantum computing architectures, and recommends solutions.

Proof-of-Concept Prototype

We prototype the identified solutions by reformulating them to run on both the classical and quantum hardware that is best suited to solve them.

Hardware-Agnostic API

We provide our partners with an API endpoint which integrates with their existing application to deliver superior results. The API endpoint is continually updated so that our partners benefit from advances in hardware without the need to refactor their applications.

CONTACT

We welcome new opportunities to collaborate with industry leaders to redefine intractable problems by harnessing the power of quantum computing.

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