



Quantum Value Assessment

Understand the Value > Plan for Adoption

Quantum computing is set to be the next major disruptive force across multiple industries. Now is the time to understand and prepare your business for the exciting opportunities that it will bring.

Our Quantum Value Assessment focuses on business challenges that are relevant to you. Using educational and collaborative workshops we can help you to define your strategy for effective adoption and value realisation.

Quantum Disruption

Quantum technology is evolving at a high speed. Current quantum hardware is constrained in size and stability, but huge academic and financial investment is continuously advancing its capabilities and creating many new quantum providers.

As the technology matures and grows, it will obtain computational power that is unachievable with existing computing approaches. This will allow you to develop a wide range of new business applications that have the capability to transform your organisation.

In this rapidly changing and transformative landscape, it is vital that you plan strategically for the impact to your organisation's people, processes, and technology. With support and guidance from unbiased industry experts, you will be able to position your organisation for quantum advantage.

Quantum Value Assessment

Our Quantum Value Assessment process helps you define your organisations strategy for effective adoption and value realisation of quantum computing.

Together we focus on the business challenges that are relevant to you and use a set of structured and carefully planned educational and collaborative workshops.

We join experienced industry sector specific experts that have knowledge of the challenges your type of organisation faces, with dedicated quantum technology practitioners, skilled in turning business challenges into quantum solutions.

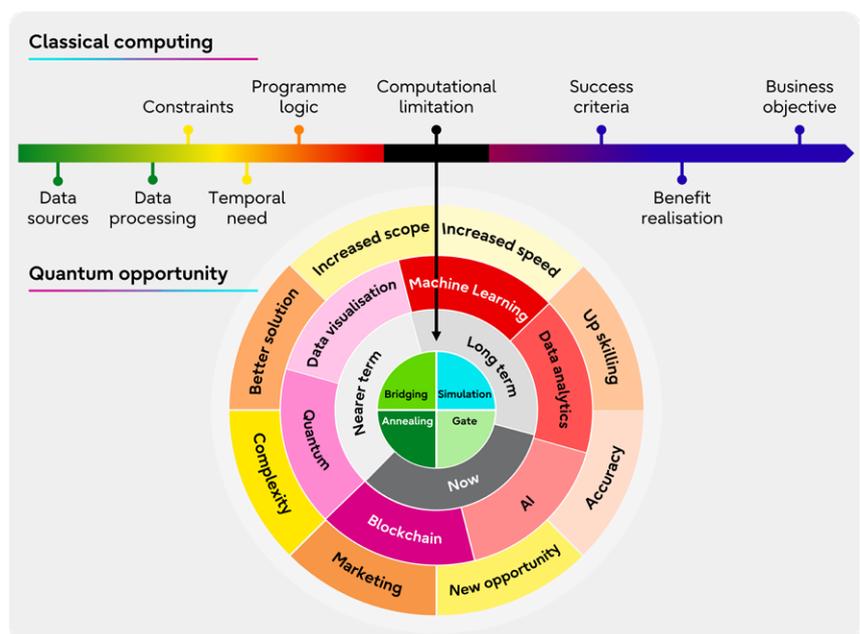


Figure 1: An analysis process that identifies classical computing limitations and looks to resolve them

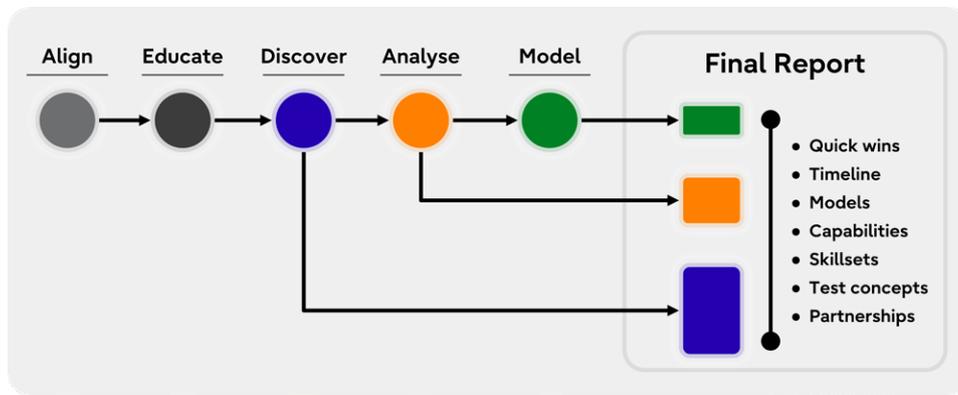


Figure 2: Quantum Value Assessment: The process

We use an established multi-stage framework to ensure value is realised throughout our engagement and that all insights gained are captured and recorded for your future use. Regular stakeholder participation is a key element of the process, and planned actions when moving from stage to stage are agreed with those involved or impacted.

- **Align** sessions ensure the correct stakeholders and business subject matter experts are actively engaged, and that all participants understand the connection to the organisation's business objectives and intended approach.
- **Educate** sessions provide a briefing on quantum computing fundamentals, including what it can and cannot do, the current state of the industry landscape and its future potential.
- **Discovery** workshops identify potential business opportunities for quantum computing. We actively encourage you to bring your specific scenarios and processes to be explored, and we provide our list of known industry sector relevant quantum algorithms and technologies that we have identified from academia or industry activity to prime the discussions.
- **Analyse** workshops look at selected business opportunities in detail. Working in conjunction with your business subject matter experts we qualify how and where quantum can be applied in your end-to-end business process to derive most value.
- **Model** workshops turn the chosen business challenges into the mathematical model describing the problem statement required by a quantum computer. The modelling will allow you to see where and how quantum computing can be leveraged and the value it can unlock.

Our Value Assessment **Final Report** details all outputs from the workshops, including potential quick wins and our recommendations for establishing the required people, process, and technology related skills to effectively adopt quantum computing into your organisation.

Ready to find out how to explore and prepare for this exciting and disruptive change?

Contact us via the details below.

' Together we're exploring the quantum opportunity and potential use cases, outlining how HSBC could move from the software simulations and bridging technologies, that are available now, to quantum advantage in the future.'

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