

REALIZING NEW POTENTIALS WITH QUANTUM COMPUTING

Azure Quantum Advisory Services



Your challenges:

- ▶ You are missing tangible use cases and a general understanding of applications of quantum computing in your enterprise
- ▶ It is unclear to you, which prerequisites must be established in your enterprise in order to use quantum computing.
- ▶ You are missing access to quantum computing systems and connectivity with your IT infrastructure.
- ▶ Competence for implementation and scaling is not adequately established in your company.

The Warp drive for your voyage into a new technological age

Modern technologies have gotten us quite far, but new galaxies will only be reached with a warp drive. Quantum computers ameliorate – like a warp drive – existing IT- and high-performance computing infrastructures and thereby open up completely new possibilities in the areas of optimization, simulation, AI and IT-security.

As the development of quantum computers is demonstrating concrete successes in steadily shorter timeframes and Microsoft provides concrete Azure Quantum services via the cloud, it is a good time to evaluate and ensure the readiness of your organization regarding the adoption and usage of Azure Quantum.

adesso's Azure Quantum Advisory Services focus on identification of potential in your enterprise and employ established methodologies, best practices, and structures to solve typical challenges in the adoption and usage of quantum computing. Depending on the maturity of your enterprise in this regard, we choose appropriate elements and tailor them to the necessity at hand, resulting in an objective and comprehensive strategy for Azure Quantum.

Your gained value:

- ▶ Risk reduction through fact-based decision
- ▶ Competitive advantage through new possibilities in technical departments
- ▶ Advantage in the «war for talents» through innovative topics
- ▶ Directly realizable results through implementation competence

In scope of the Advisory Services, we regard and consider three distinct areas:

Business-Readiness: Use cases that would generate added value with quantum computing

Execution Readiness: Connection and integration of existing systems with quantum systems via cloud services with Microsoft Azure Quantum.

People Readiness: Building competence in the quantum paradigm e.g. in order to formulate business problems for quantum computing solutions.



Results from these areas inform a custom-tailored quantum computing strategy encompassing the following elements:

>> Identification **value-added use cases** and their **implementation** opportunities with **Azure Quantum** based on a transparent, comprehensive and objective methodology.

>> Clear **recommendation** for the introduction and long-term usage of quantum computation regarding technology, processes and organization.

>> **Criteria catalogue** for choice of appropriate cloud services given your individual requirements.

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