



Google Quantum Computer Unleashing The Power Of Advanced Computing

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Overview and key features of quantum computing

This slide showcases overview of quantum computing that rely on qubits to run and solve multidimensional quantum algorithms. It also highlights key features and applications of quantum computing

Overview of quantum computing

Area of computer science that uses the principles of quantum theory

Quantum computers rely on qubits to run and solve multidimensional quantum algorithms

Quantum computers process information in a fundamentally different way than classical computers

Technology companies like IBM, Microsoft and Intel have developed quantum simulators and processors

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Key features of quantum computing

Superposition

Quantum entanglement

Quantum Error Correction

Quantum Simulations

Quantum computing applications

Cybersecurity

Drug and chemical research

Financial modeling

Cryptography

Machine learning and AI

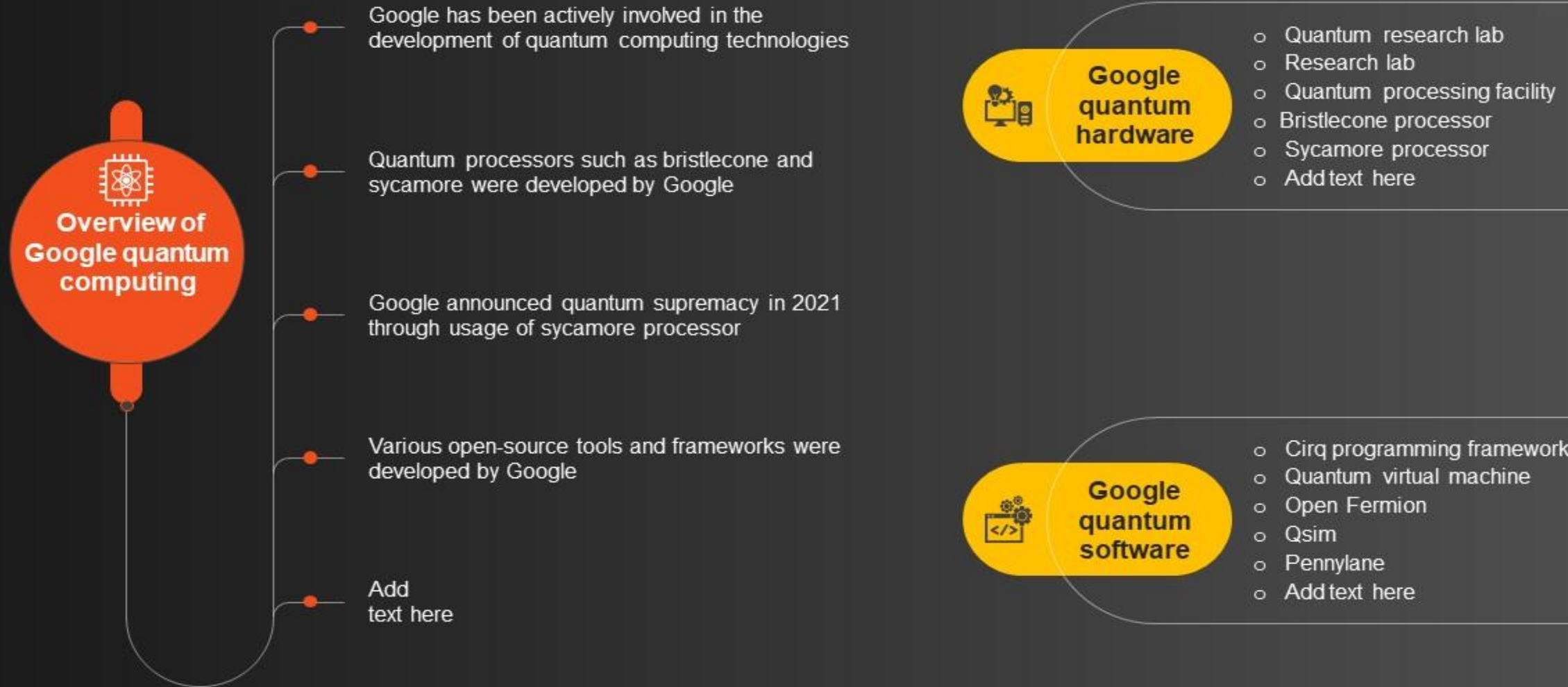
Supply chain optimization

Climate research

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Overview of Google AI quantum computing

This slide showcases overview of Google quantum computing that have helped company to achieve new milestone in artificial intelligence sector. It also highlights hardware and software leveraged by Google for quantum computing

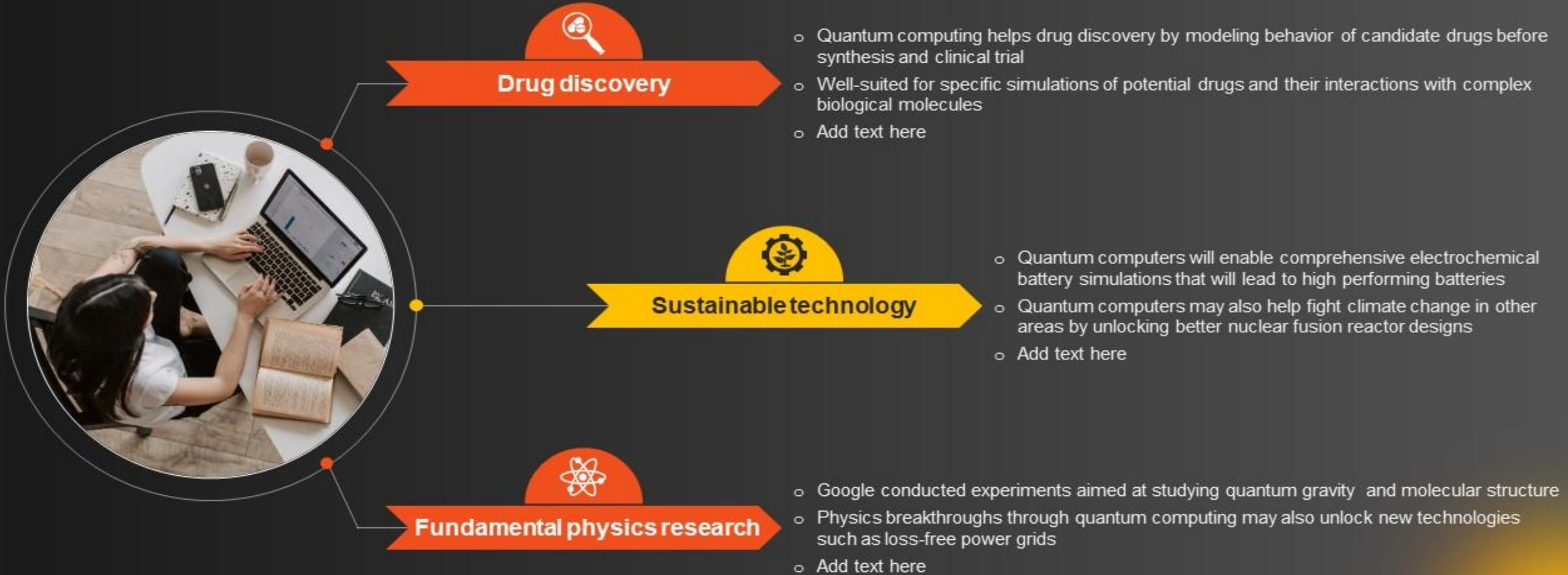


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Google AI quantum computing use cases

This slide showcases various use cases of Google quantum computing technologies. Applications of Google quantum computing include - drug discovery, sustainable technology and fundamental physical research

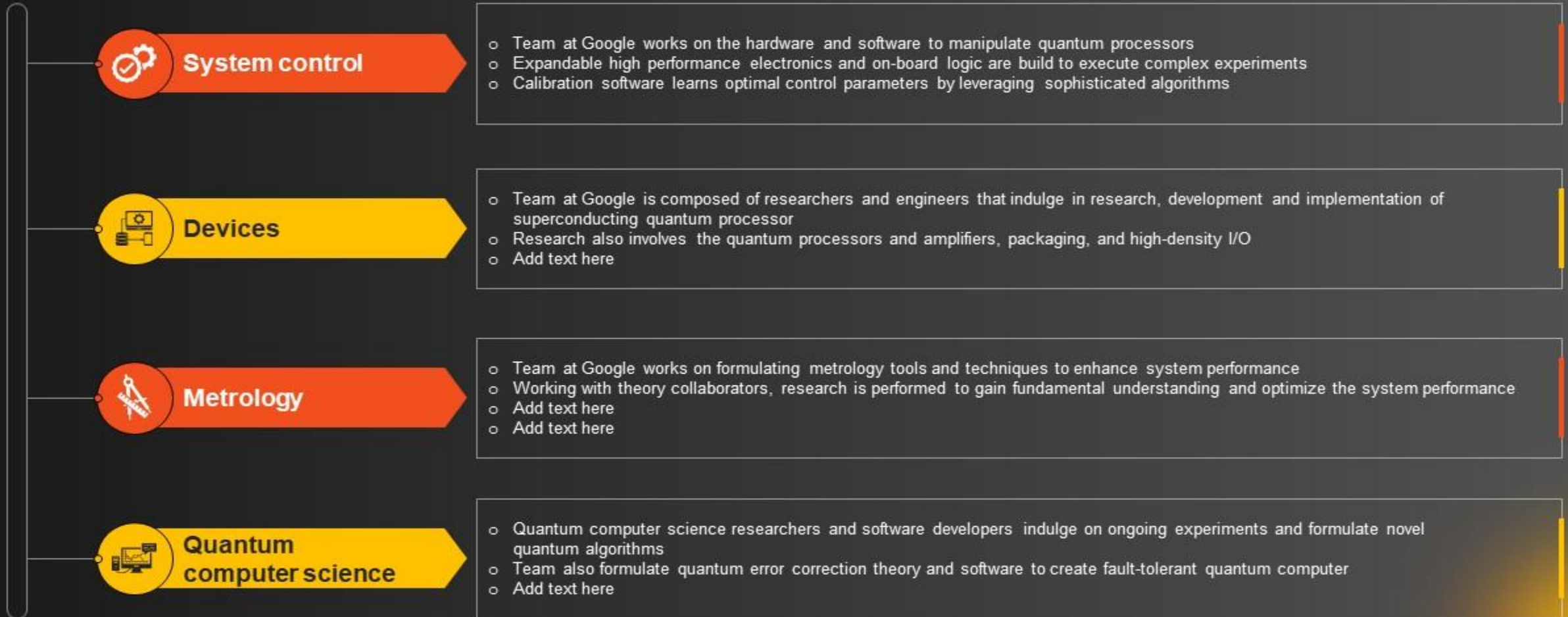


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Team functions in Google quantum computing program

This slide showcases various functions performed by team in development and management of Google quantum computing program. Its key components are system control, devices, metrology and quantum computer science



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Future of Google AI quantum computing

This slide showcases future plans and potential of Google AI quantum computing technologies. Its key components are hardware development, practical applications and algorithm development



Hardware development

- Google will continue to invest in developing quantum processors and various other hardware technologies
- Advancements in hardware will help google in more complex quantum computations and applications
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Algorithm development

- Google will continue to discover and develop algorithms that can help to improve the capabilities of quantum computers
- Includes algorithms for optimization, simulation, cryptography, machine learning, and other domains



Practical applications

- Google will continue to explore and research about new applications of quantum computing across different industries
- Collaboration can be seen with different partners to discover new applications of quantum computing

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