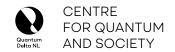
LET'S PRINT THE QUANTUM APPLICATIONS CARD GAME.



PRINT & EXPLORE

THE WORLD OF QUANTUM

A century ago, brilliant scientists laid the foundation for Quantum Mechanics — the laws of physics at the very small scale, where phenomena behave differently than in our everyday experience. Today, we stand on the verge of quantum technologies making real-world impact. Quantum computers, networks, and sensors are entering the market with tremendous promise for our future.

This card set contains over one hundred cards illustrating future applications of quantum computing, communication, and sensing. Some applications are approaching commercial availability, while others may take years to develop.

The Centre for Quantum & Society created this card game to help you explore potential quantum applications in an engaging, playful manner.

GAME PREPARATIONS

COMPONENTS IN THIS DOCUMENT: 1 card set (110 cards) with 14 Quantum for Healthcare Cards, 8 Quantum for Infrastructure Cards, 12 Quantum for Energy Cards, 9 Quantum for Water cards, 8 Quantum for Military Cards, 12 Quantum Sensing Cards, 15 Quantum Computing Cards, 10 Quantum Communication & Security Cards, 9 Critical Materials for Quantum, 4 Policy | Alignment Strategies Cards, 6 Policy | Acceleration Factor Cards and 3 Policy | Collaborations.

STEPS: Cut out each card. Cut neatly around the outer edges of the images.

ACKNOWLEDGEMENTS

Thanks to our early playtesters at the Quantum Policy Academy, Alliander, the Policymakers and Designers usertests, TU Delft's Industrial Design Engineering faculty, Centre for Quantum and Society team day, Centre for Future Generations Flagship Event, the Government Trainees Programme Day, and everyone else who helped refine the earliest versions of the game.

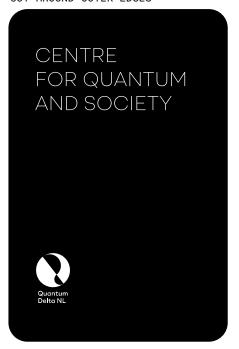
We extend our special gratitude to the creators of Sushi Go!, whose game mechanics inspired the Quantum Applications Card Game.

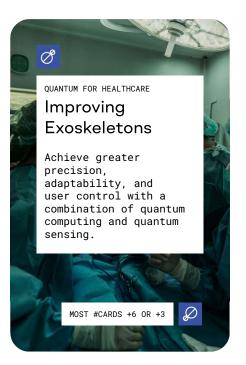
CREDITS AND LICENSE

The Quantum Applications Card Game was created by Juwe van Vliet and Deborah Nas. The content brings together insights from academic research, white papers, and Centre for Quantum and Society projects. Graphic design by Juwe van Vliet, with images by Willem van Aken (CSIRO), Matthew ten Bruggencate (via Unsplash), Rose Galloway Green (via Unsplash), JC Gellidon (via Unsplash), Marieke de Lorijn, QDNL, and Juwe van Vliet.

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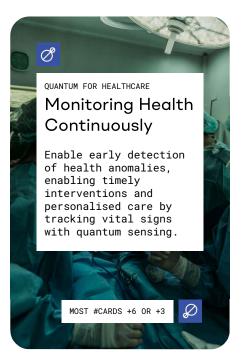
CUT AROUND OUTER EDGES

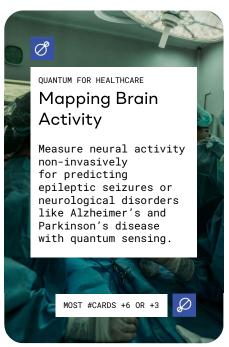






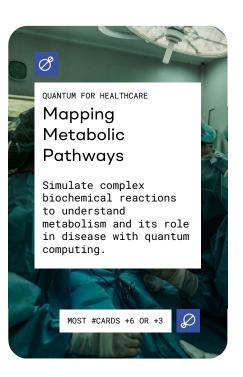




















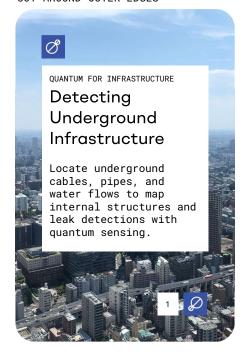




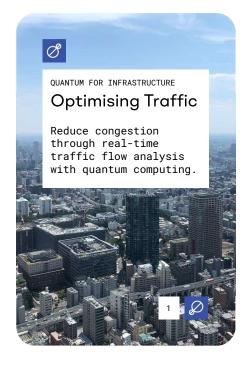


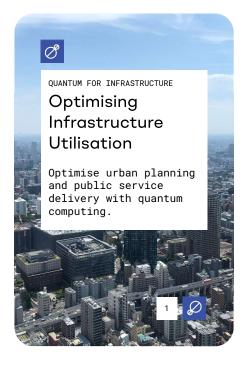


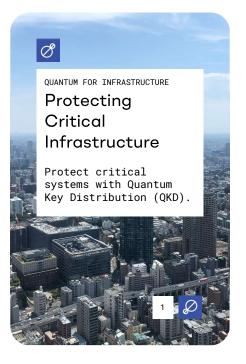


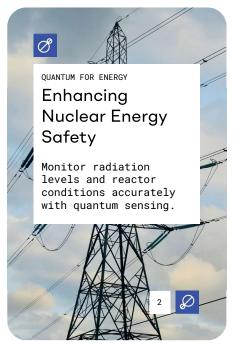


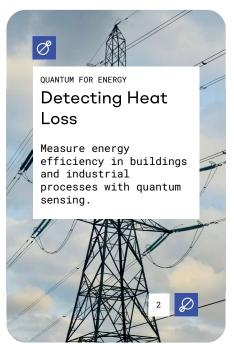


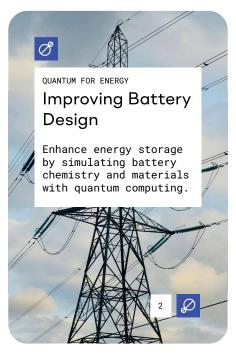


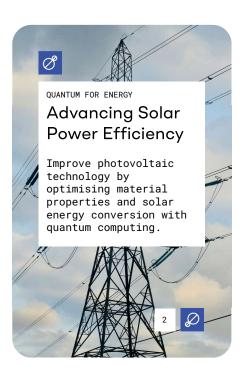


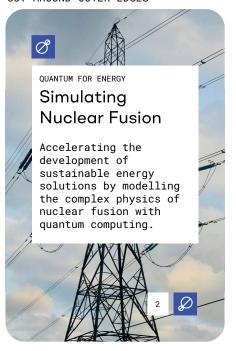


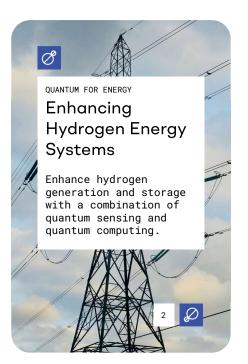


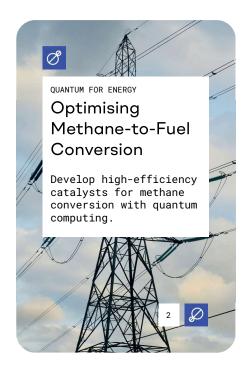


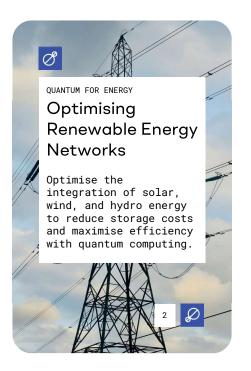


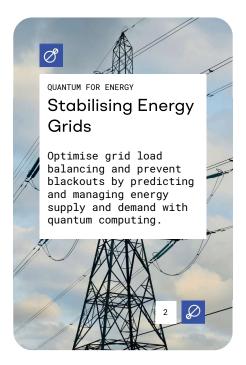


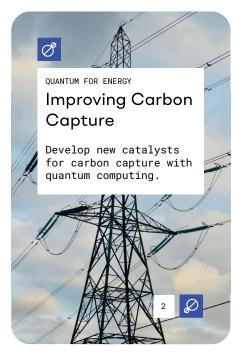


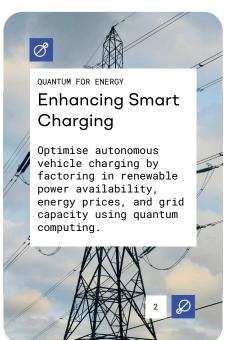


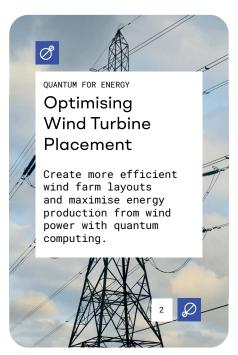


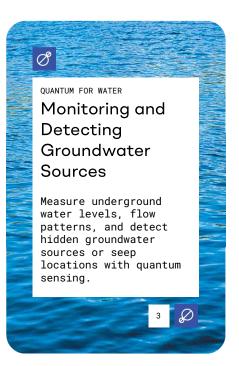


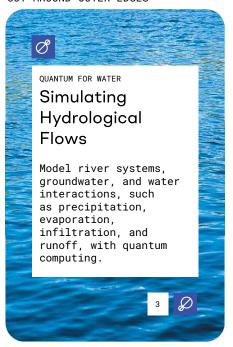


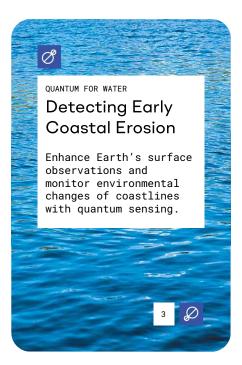


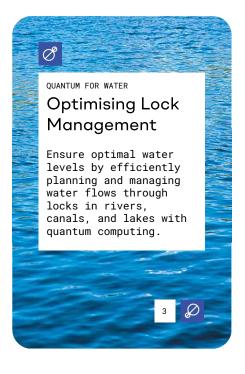




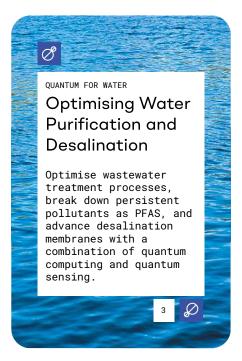


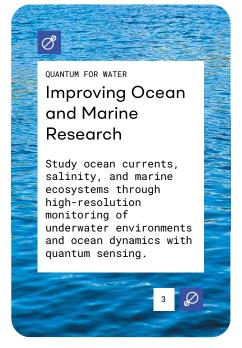


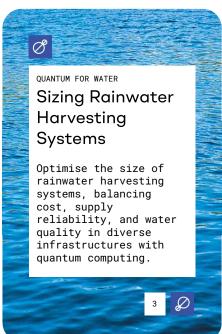


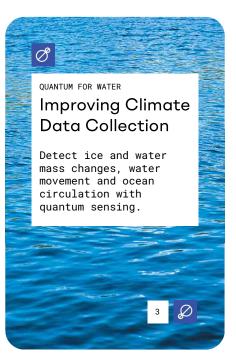


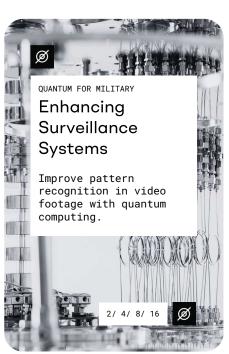


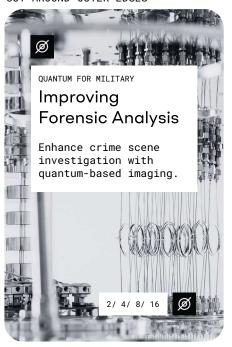


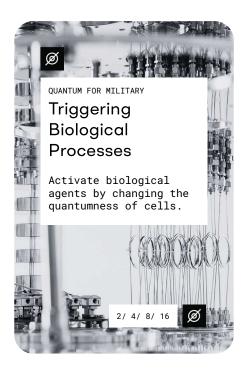


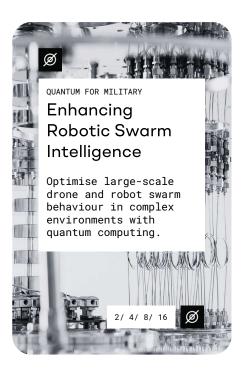




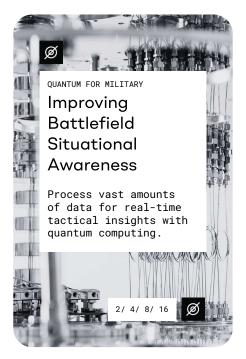




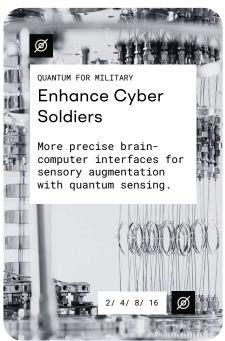


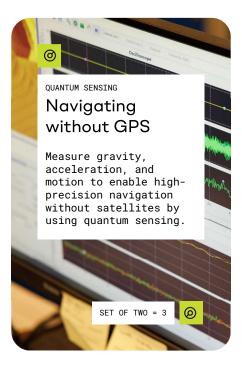








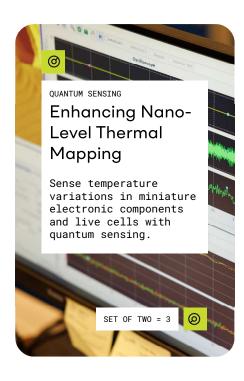




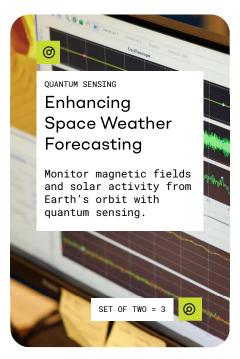




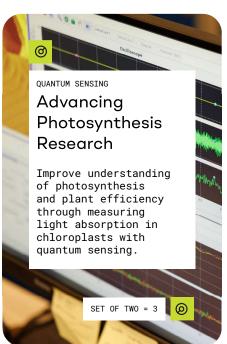


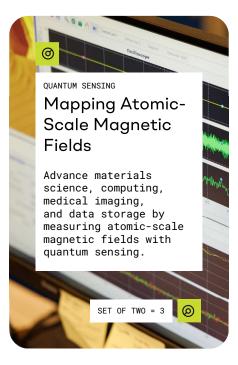


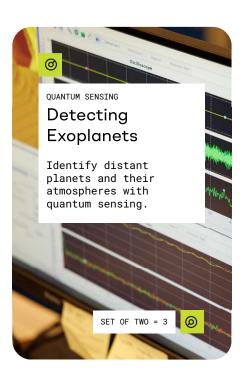


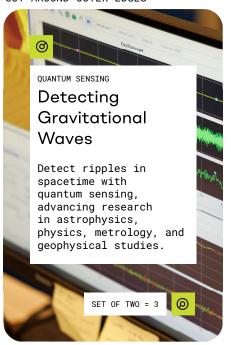


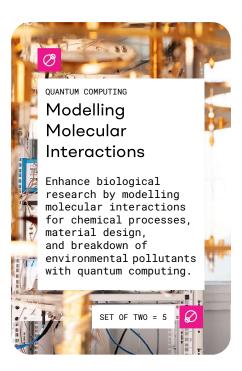




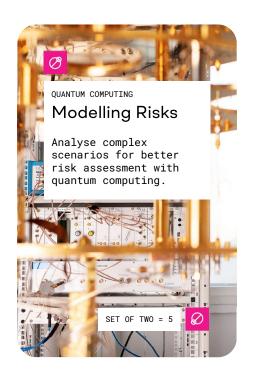






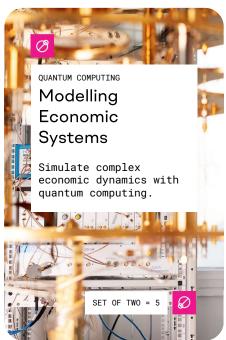


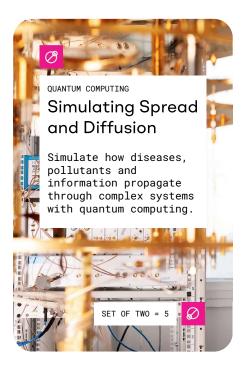


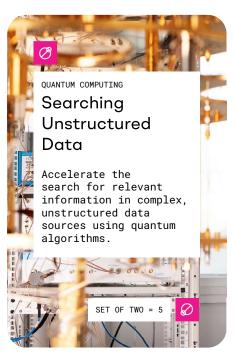


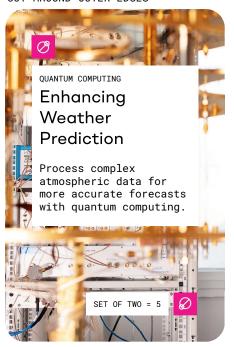


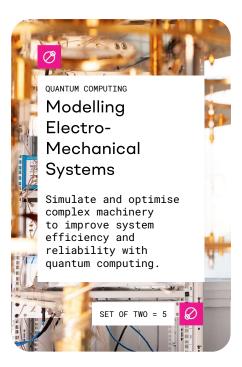






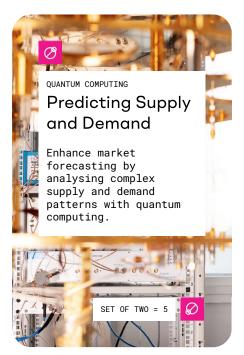


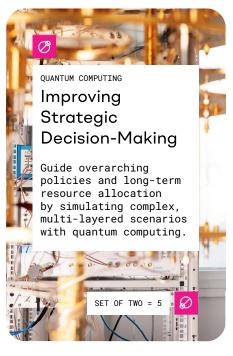


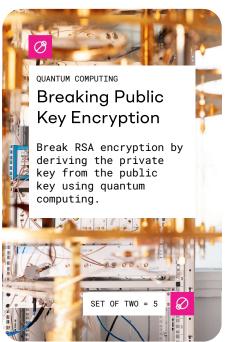


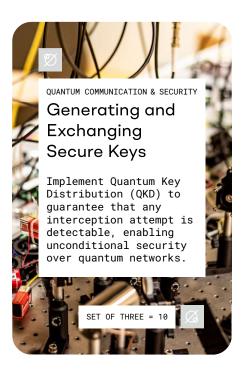




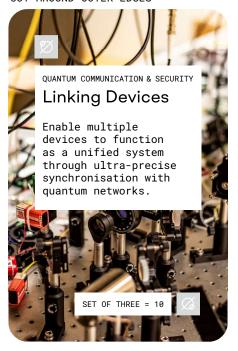


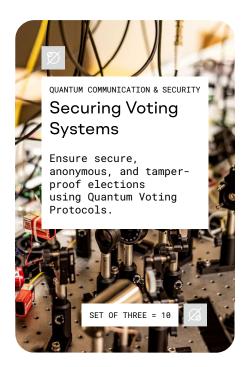


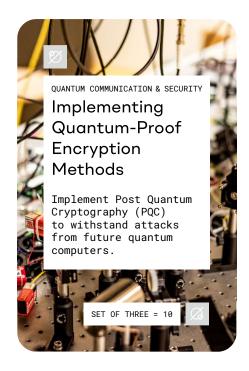






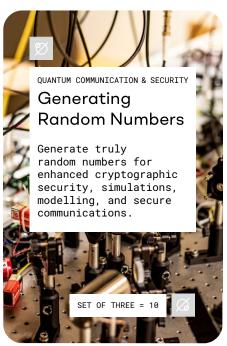


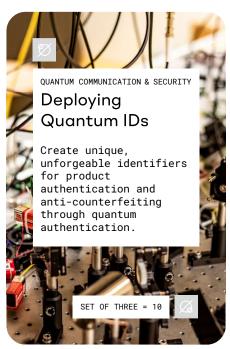




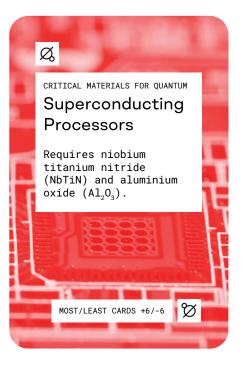




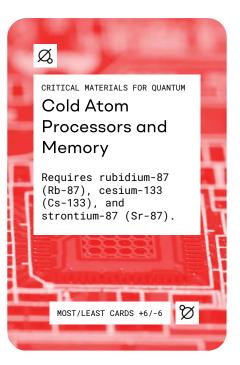


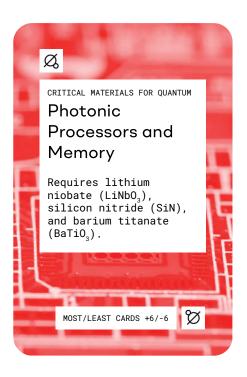




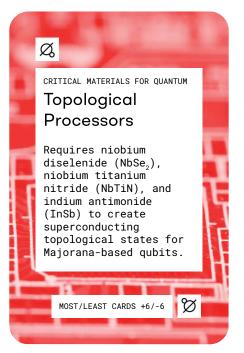


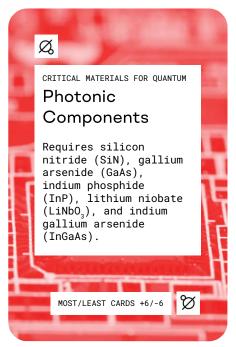












CRITICAL MATERIALS FOR QUANTUM
Electronic
Components

Requires silicon
carbide (SiC), indium
gallium arsenide
(InGaAs), gallium
arsenide (GaAs), indium
antimonide (InSb),
indium phosphide (InP),
and aluminium oxide
(Al₂O₃).

