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Quantum technology in the European Union

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Delegation of the European Union to Japan

Abstract

In this presentation about Quantum Technology in the European Union, I explore the growing potential of quantum technologies and the EU's vision to remain a global leader. The presentation discusses different application areas, such as enhancing MRI capabilities for early cancer detection or conducting virtual drug trials. It delves into quantum communication initiatives, aiming for unbreakable codes, and highlights gravimeter applications to probe underground resources. Building on the transformative power of quantum technologies, we can envision real-time simulations in finance, engineering, and climate change. Furthermore, the conversation shows the potential of quantum technologies in space exploration and defence applications. The EU's early commitment to pioneering advancements in Quantum Technology underscores its ambition to be at the forefront of the global quantum revolution.