



Pushing the Boundaries of Analytics and Security in IoT to help solve society's most difficult problems

Anaxa specializes in delivering quantum based, end-to-end solutions to help radically improve the condition of various implementations of IoT applications today.

The Problem with IoT Today

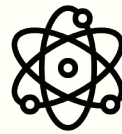


One of the biggest issues that plague every IoT based solution on this planet is around **security** and **privacy**. Even though a more connected world has various benefits, the potential hazards are unavoidable, increasing risks of data breaches.

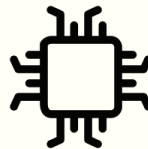


It is clear that we are entering a data driven world, but maybe collecting more data isn't better. Using finely tuned heuristic quantum machine learning (QML) algorithms, Anaxa can help **reduce the data** needed to determine the same or even more intricate trends.

Our Solution



Our solution involves a **quantum network**, with quantum transmitters and receivers on both ends for instant and secure communication. Our first step would be using **quantum repeaters** as relay nodes to enable short range communication. Later, we plan to implement a global **satellite infrastructure** to enable long range communication.



Quantum IoT (qIoT) devices would have 2 primary components onboard: A quantum-enabled **transmitter** and **receiver** that are capable of receiving entangled states to allow for secure communication and a **hybrid processing unit** with a classical and quantum component if size

Impact



Patient Monitoring

qIoT wearables can be implemented with sensors to monitor biomarkers like pulse and glucose levels and can immediately notify of any problems.



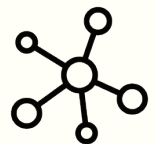
Drug Distribution

Pharma industries can streamline the manufacturing and distribution process with real time data when producing and sending out drugs with qIoT smart tags.



Cancer Detection

The qIoT wearable device is capable of early prediction for breast cancer, lung cancer and heart attacks with the appropriate sensors.



...And Beyond

The possibilities of other applications for qIoT are limitless, from more efficient and intelligent autonomous cars to optimized manufacturing!