

Challenges We Seek to Address

- Ultra-secure root-of-trust for IoTs.
- Fast authentication of IoT transactions.
- Low computational footprint.

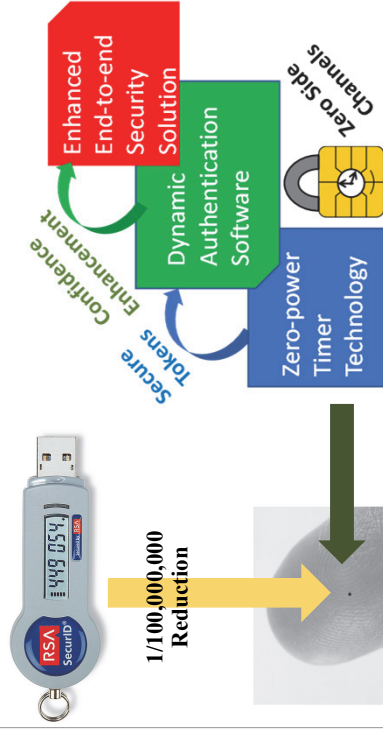
Value Proposition for Users

- Platform technology that is applicable for healthcare and passive IoTs.
- Provide enterprise-level security on low resource IoT platforms.
- Reducing malicious transactions and enhancing trust verification on IoTs.

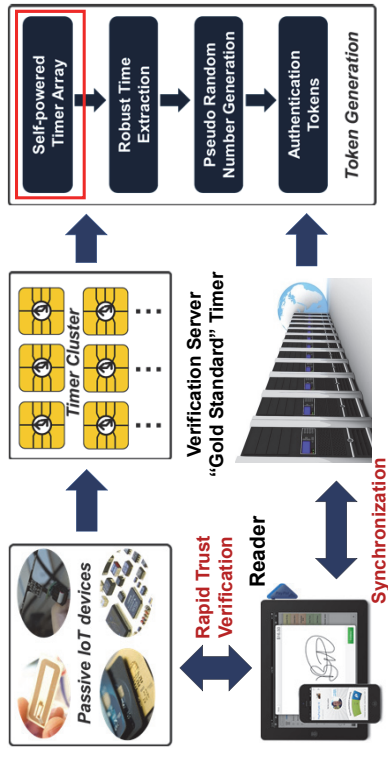
Technology Innovation

- Chip-scale synchronized clocks that operate without any external powering for durations greater than 1.5 years.
- Practically zero side-channels and immune to snooping.
- Patented timer technology based on quantum tunneling.

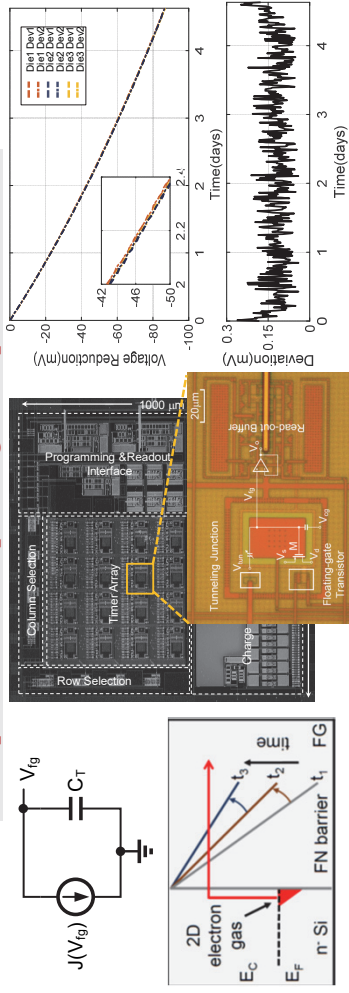
Solution Overview



Hardware-Software Authentication



Zero-power Timer Operating Principle and Results



Collaboration Opportunities

- Exploring new applications of the zero-power timer technology.
- Version 1.0 hardware-software prototype solutions available for trial.
- Work with us to refine the solution to the needs of a specific application.

References & Acknowledgements

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