

BlackBerry Certicom Introduction

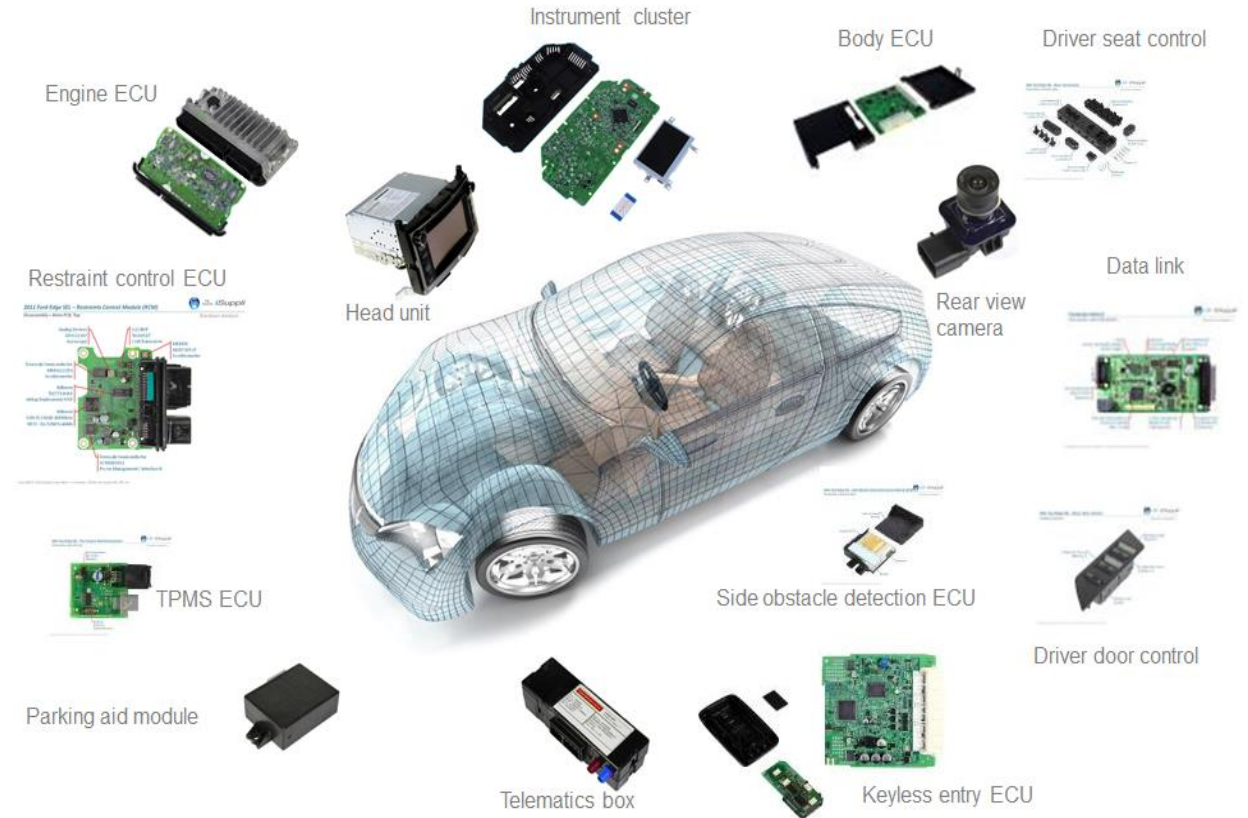
ITU/SAE Workshop Session 6

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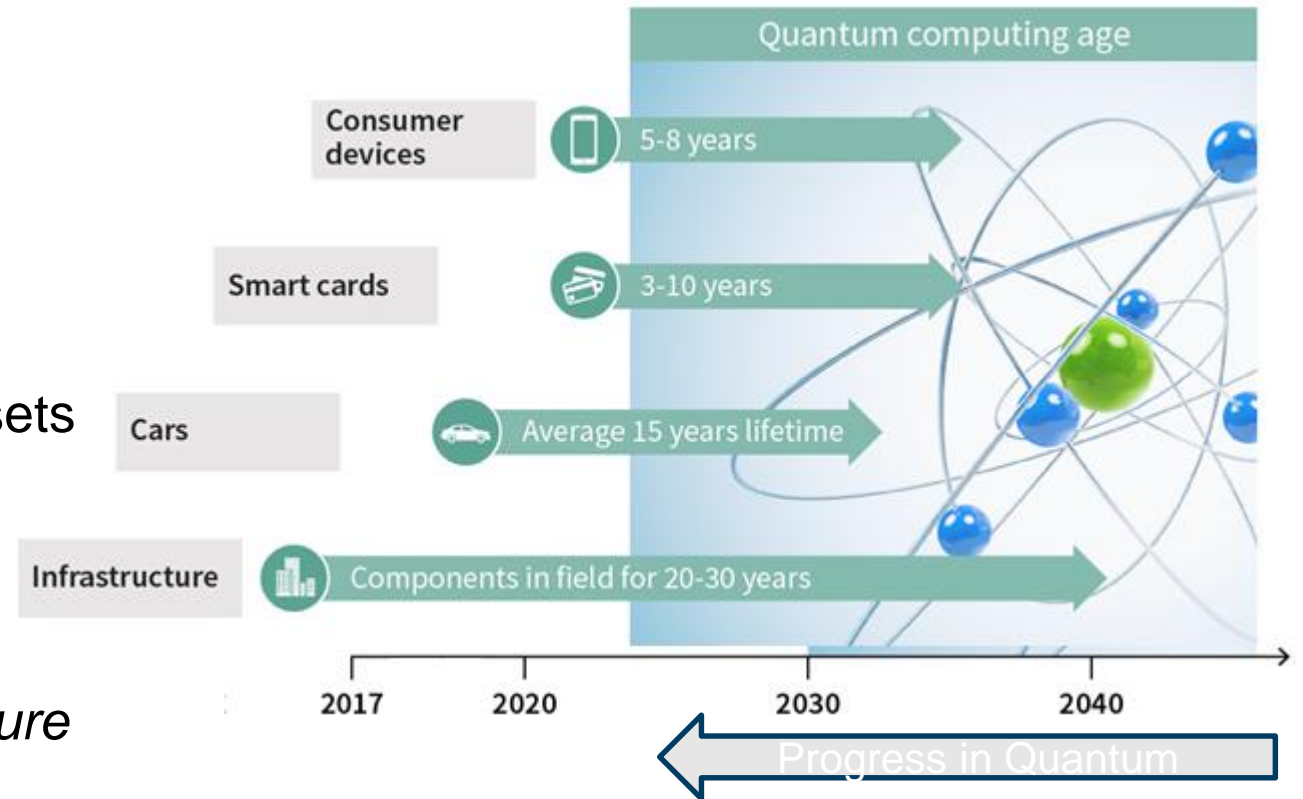
Certicom's Vision

- Authenticate everything
- Within the vehicle: any device on any bus
 - Component authentication
 - Message integrity validation
 - Gateway key master supports multiple protocols & session key rules
- External connections
 - Validate diagnostics & service requests
 - Secure V2X messages
- External services
 - Extend to vehicle attestation
 - Ensure your vehicle is not the weakest link



Recently Announced: Quantum-Safe Signing Appliance

- Quantum Attack Resistant Code Signing
 - Used to overcome limitations of classical public key cryptosystems
 - Can sign QNX & Linux filesystem images, RTOS & firmware images for secure boot
 - Also supports traditional cryptosystems, signing & encryption key management
- Ideal for industries deploying long-lived assets
 - Application processors & MCUs
 - Mil-Aero Systems
 - Smart Grid/Critical Infrastructure
 - Automotive & Transportation Infrastructure
 - Telecommunications Infrastructure
- Product availability: November 2018



IBM says 5 years away from a practical machine