

Nicolas Jaouen, Business Development Manager Government ID ID4Africa 2019





- 1 Infineon Corporate Presentation
- Evolution of Border Control and Travel Document
- The pillars of a chip
- 4 Wrap-up



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Infineon Corporate Presentation

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Evolution of Border Control and Travel Document

3

The pillars of a chip

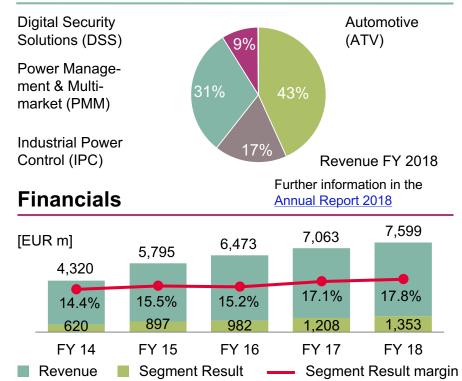
4

Wrap-up

Infineon at a glance



Business Segments



Employees

40,100 employees worldwide (as of Sept. 2018)

> **Americas** 3,900

35 R&D locations 17 manufacturing locations



Market Position

April 2019



Technology Group, September 2018

1 ABI Research October 2018



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50's













2000





2020



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Main Pillars for Chip Card Solutions





Interoperability and Robustness



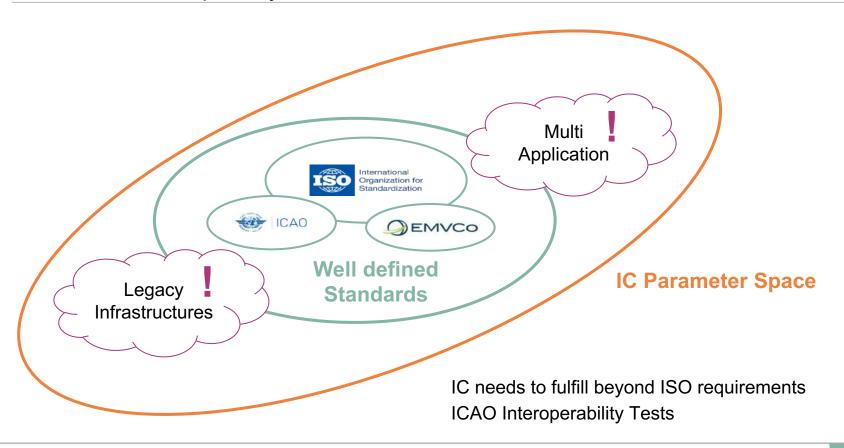
Performance



Security

Is Standard Compliancy sufficient?

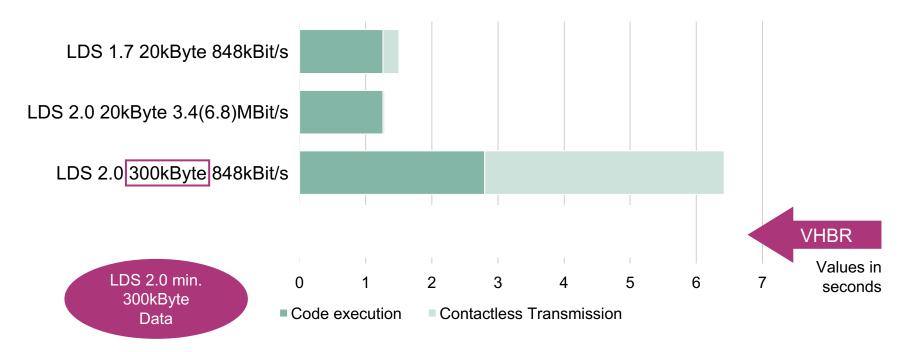




High Performance with LDS 2.0 VHBR

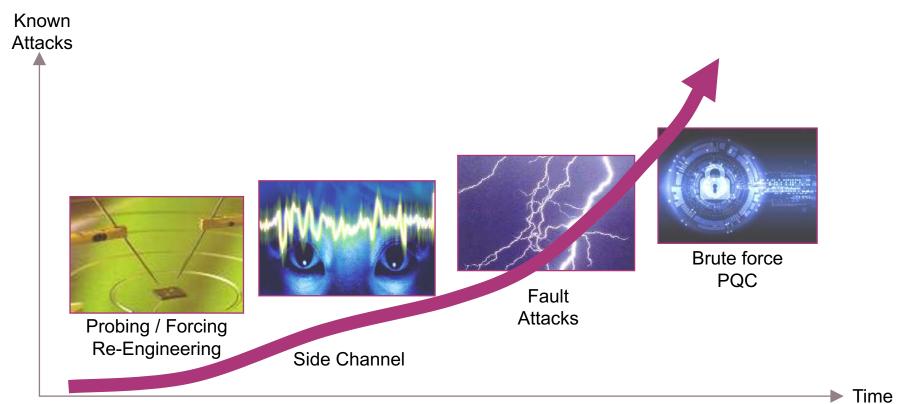


Visualization of read-out performance with and without VHBR









Common Criteria Certification & Conformity







- Most electronic documents are CC certified
- Hardware: always CC certified, usual EAL 6+
- OS: mostly certified, usual EAL 5+
- Applets: often CC certified, usual EAL 4+ / EAL 5+

- Conformity Test
- Silver Dataset
- > 2006-2009 Timeframe



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"Best in Class" requirements for contactless Chips in ePassports

infineon

Facilitation / Traveler Throughput

High Performance Controller

High Performance Transmission

Optimized antenna design for high transmission performance

Long Life Time Security

Advanced security over a long life time

High level certification (EAL 6+ high)

LDS 2.0 ready

Sufficient non volatile memory

Advanced security for data storage

Durability

Mechanical stability for a long life time

Cost

State of the art technology node





Part of your life. Part of tomorrow.