

CISC Semiconductor GmbH

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Where innovators
meet & shape
OUR DIGITAL
FUTURE

2019

Company at a glance

Adding TRUST in a connected world



CISC Semiconductor, established in 1999, is an international operating and highly awarded company that provides competitive and **innovative products** and **engineering solutions** to increase performance, conformance, interoperability, security and privacy in communication technologies.

Markets are **Automotive**, **RFID/NFC**, **Semiconductors** and **Wireless Communication**.

Headcount worldwide: **45**

Locations

CISC Semiconductor Corp.

Mountain View, CA – U.S.A.

- Customer Support
- Sales

CISC Semiconductor GmbH

Klagenfurt – AUSTRIA

- R&D
- Sales
- Customer support

Graz - AUSTRIA

- R&D
- NFC Test Lab

- CISCHQ
- CISC
- Sales / Distribution

What we do – R&D references

- More than 500 engineering projects with world wide (EU, US, CA, CN, JP, BR, KR, ...) customers successfully finished
 - 5 customers among 1st 50 of “Fortune 500” companies
 - 4 customers out of the “11 chip companies over \$1bn in 2017 capex ranking”
 - 200+ high tech companies form broad customer base
 - 2 customer of 1st 3 of “Automotive Top 100 global OEM parts suppliers”
- More than 50 joint international R&D projects
 - Several 100 person years R&D investment
- 100% of R&D staff hold at least a master degree



Company's Activities

- Current international collaborative projects:
 - ECSEL project “SCOTT” – Info under www.scottproject.eu
 - H2020 project “STEVE” – Info under www.steve-project.eu
 - H2020 project “TrustVehicle” – info under www.trustvehicle.eu
 - ECSEL project “Prystine” – Info under <https://prystine.eu>
 - ECSEL project “iDev40” – Info under <http://idev40.eu>
 - ECSEL project “SECREDas” – Info under https://www.cisc.at/wp-content/uploads/2018/06/Secredas_Press_Release_Final-CISC.pdf
 - EUREKA CA-AT project “IOTReader”
- Interaction existing with one of the 3 Industry Associations or other ETPs
 - Regular visits of workshops and events
 - Contribution to ECS SRA 2020 and 2021 - Mobility Chapter
 - ARTEMIS-IA Steering Board member
 - Member ECSEL Austria

CISC Semiconductor's passion for advanced microcontrollers

10 years **experienced engineering** with the
Bosch GTM - Generic timer IP module



Visit us at
www.CISC-Semiconductor.com/GTM



secure configuration and
wireless power-up for test bed
sensor nodes



cybersecurity for industrial
applications

A close-up, low-angle shot of a white industrial robotic arm in a factory setting. The arm is positioned over a conveyor belt with yellow and white components. The background is blurred, showing other factory equipment and workers.

secure wireless communication and IOTA based
transactions for smart production



IoT Gateway
secure configuration and wireless charging
(WiFi, 2x Bluetooth, Zig-Bee, Z-Wave, NFC, CAN-Bus)

CISC RFID Xplorer Tag Performance and Conformance Tests

NEED

- ❑ Easy to use tag performance tester (e.g. applied tag)
- ❑ Easy to use communication sniffer
- ❑ Ensure full compliance to air interface standard

SOLUTION

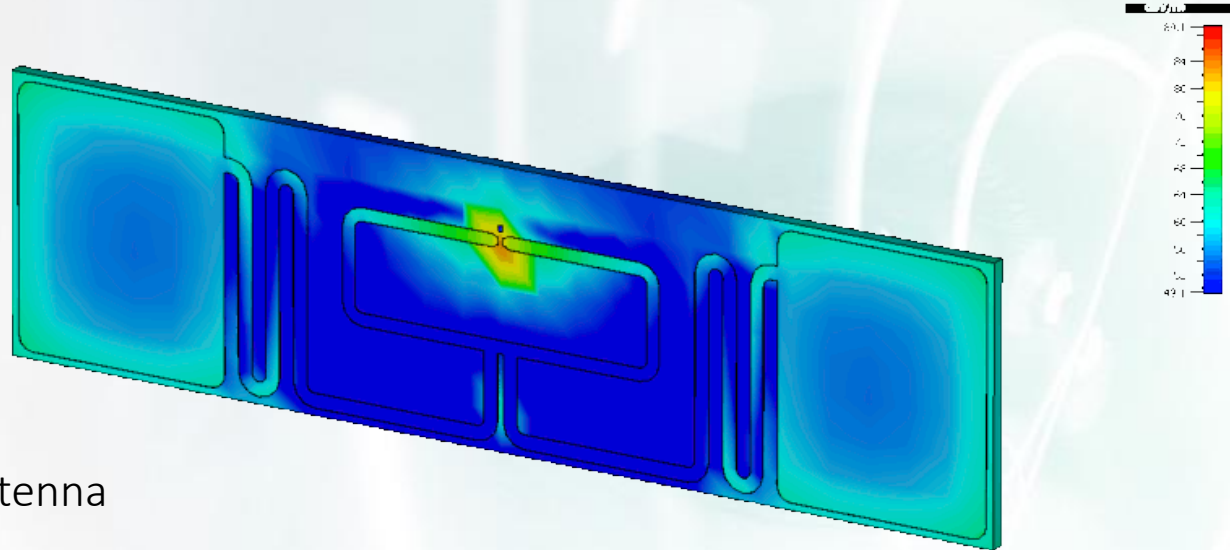
- ❑ Data sheet based on performance tests
- ❑ Read range over frequency
- ❑ Fully automated conformance test

BENEFIT

- ❑ Confirmed recommendation for best product
- ❑ Fast, reliable product data sheets
- ❑ Conformance ensured



FEM Simulation for System integration



- EXAMPLE:
 - UHF RFID Antenna

e-field (f: 868) [1]
Component: Abs
Frequency: 868.1 MHz
Phase: 0
Maximum: 89.1571 (dBW/m)

Collaboration Expectations

Collaborative project of interest to you	<i>ECSEL, H2020, Eureka clusters and Eurostars</i>
Scope	<i>Technology deployment and new market access</i>
Project idea	
Project impact	<i>n.a.</i>
Project consortium	<i>we are offering expertise in embedded systems, communication and security technologies and search for partners for collaborative R&D</i>
<i>Other information (e.g. project budget, duration)</i>	<i>optional</i>



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