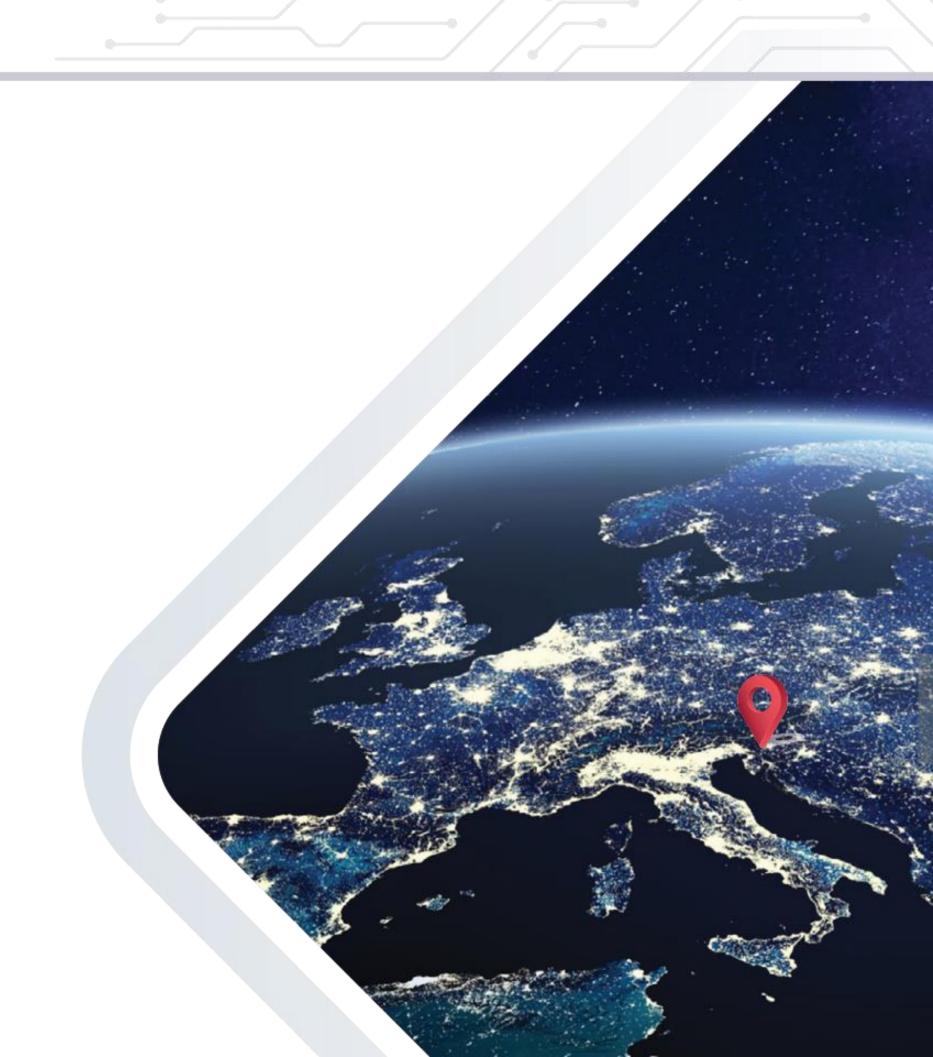


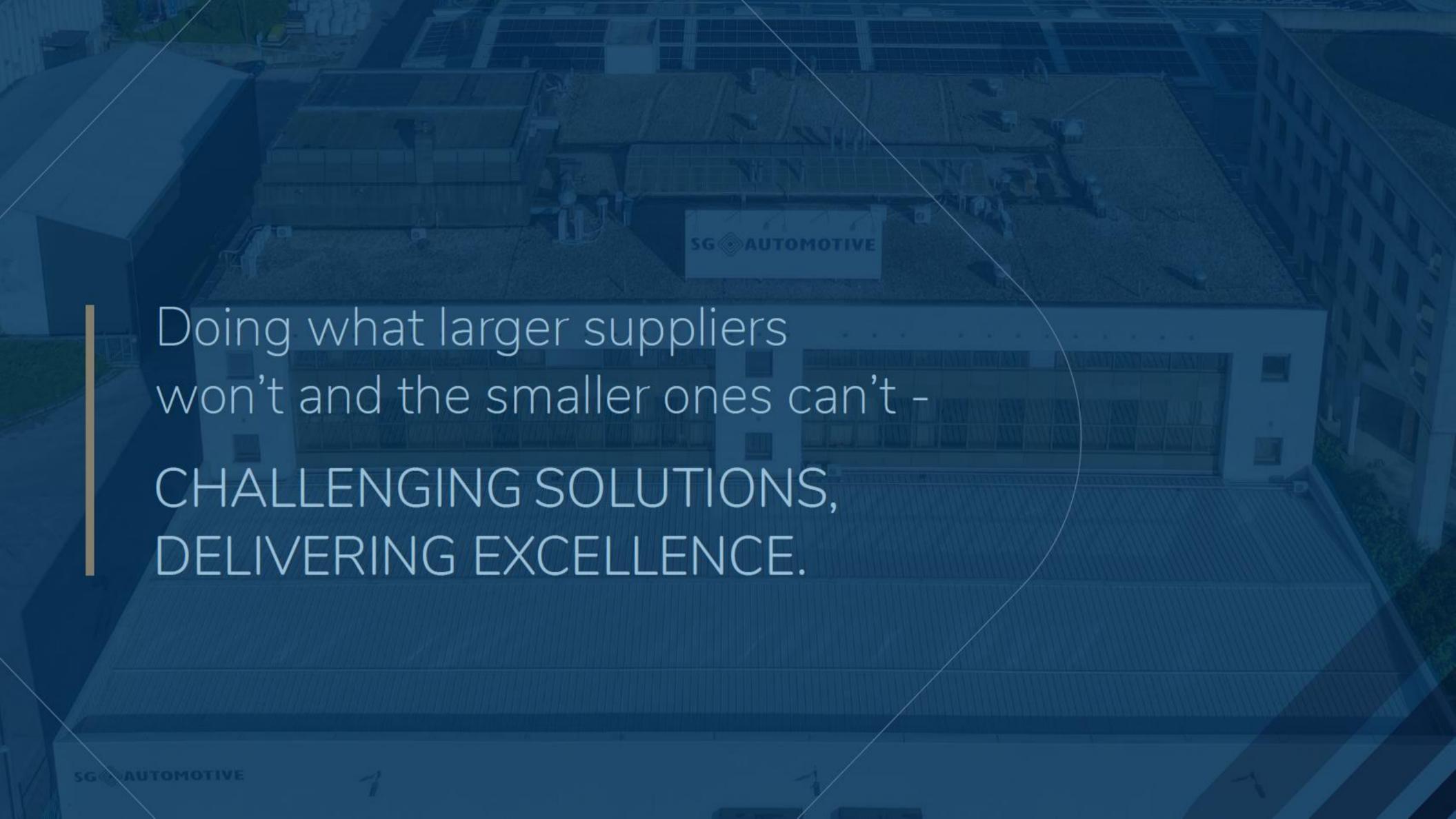




# SLOVENIA IS STRATEGICALLY POSITIONED AT THE HEART OF TWO TRANS-EUROPEAN NETWORKS WITH EXCELLENT INFRASTRUCTURE, ICT, PLATFORMS:

- > First-rate innovation capabilities
- > High-level expertise / low-cost labor
- > Multi-cultural, international know-how





## RESEARCH AND PRODUCTION **EXPERTISE** TO DEVELOPAND MANUFACTURE **HIGH-TECH ELECTRONICS QUICKLY** AND **EFFICIENTLY**ALL OVER THE WORLD:

- > Small, medium and large production series (also prototypes) with 4 SMT and 1 THT lines on more than 3.000 m<sup>2</sup>
- Accompanying plastic housing and wire harnesses as end products.
- > Testing device development



## SG AUTOMOTIVE - YOUR INNOVATION PARTNER

# YOU BENEFIT FROM SG AUTOMOTIVE KNOW-HOW THAT IS GROWING CONSTANTLY THROUGH COOPERATIONS WITH OUR WORLD-CLASS PARTNERS

- we develop trendsetting **technologies** that are in use all over the world, via:

- > Efficient processes from design to testing
- > Agile supply chain management
- > Transparent customer communication (e.g.regular coverage plans, CBDs, financial status reports)
- > Top quality (PPM rate 2.0)

Mercedes-Benz

















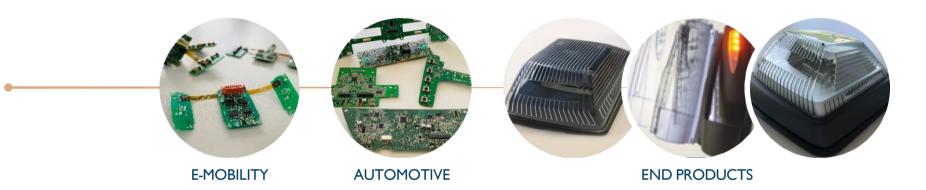






#### **AUTOMOTIVE & E-MOBILITY**

- > e-Mobility
- > Automotive Electronics
- > End Products



#### **FURNITURE SYSTEMS**

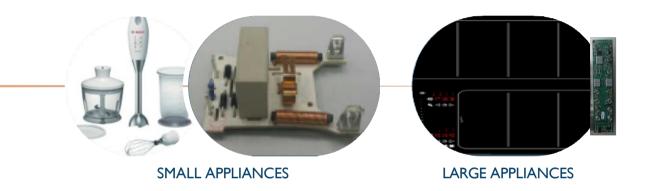
> Adjustable Height Desk Systems



ADJUSTABLE CONTROL BOX SYSTEMS

#### HOME APPLIANCES

- > Small Appliances
- > Large Appliances



#### LED LIGHTING

- > Street Lighting
- > Industrial Lighting

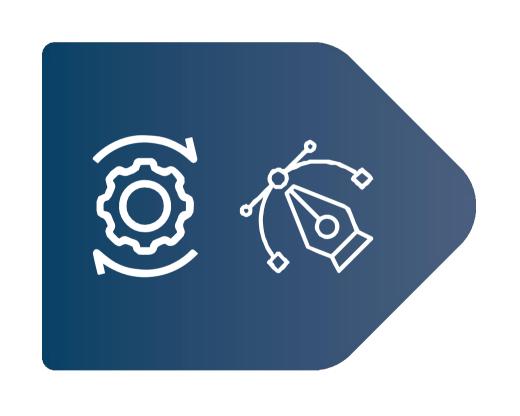






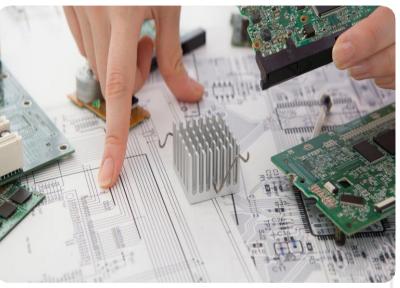
LED INDUSTRIAL LIGHTING

#### ELECTRONIC AND MECHANICAL DESIGN R&D



- > PCB ELECTRONIC DESIGN
- > MECHANICAL DESIGN
- > HOUSINGS AND ENCLOSURES
- > WIRE HARNESSES
- > TESTING DEVICE DEVELOPMENT









RESEARCH AND PRODUCTION **EXPERTISE** TO DEVELOP AND MANUFACTURE **HIGH-TECH INTEGRATED ELECTRONIC PRODUCTS** 



#### INTEGRATED DEVELOPMENT PATHWAY

#### SG AUTOMOTIVE PROJECT MANAGEMENT

#### CONCEPT

- > SG Automotive
- > Feasibility study
- > External partners definition

#### **DESIGN**

- > Mechanical design
- > Electronics design

#### SIMULATIONS

- > Moldflow analysis
- > FE analysis
- > Photometrics calculations and simulations
- > LS-Dyna analysis

#### **TOOLS DESIGN**

- Molding tools
- Electronicsprocess tools andfixtures design
- Testing devices design

#### **TESTING**

- > Prototypes production
- > DVP testing

#### **HOMOLOGATION**

- > ECE
- > SAE
- > CCC
- > Taiwan



**SG** Automotive



**SG** Automotive with External partners:

- > Ingenieurteam
- **> TECOS**
- > Auralix



**External partners:** 

- **TECOS**
- Opsira



SG Automotive with External partners:

- **> TECOS**
- > Auralix
- > DAPZ
- > Hermann Ultraschall



**SG** Automotive with External partners:

- > KRIWAN
- **>** Dome
- > I SiQ



SG Automotive with External partners:

- > TÜV Süd
- > FAKT
- > MPR Consulting











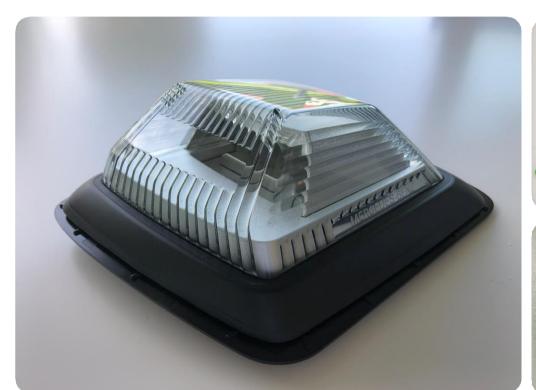


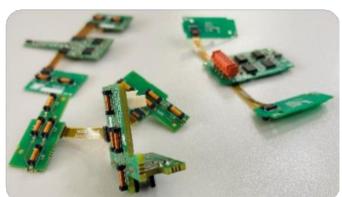


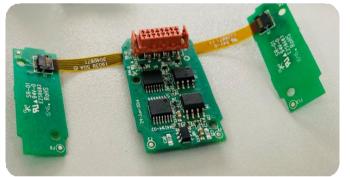


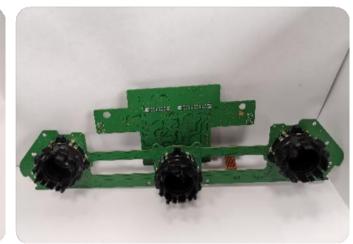


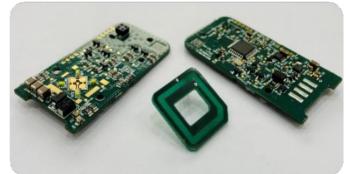


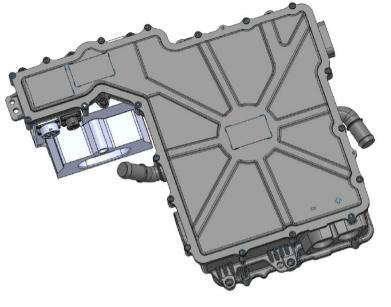








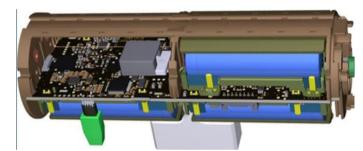










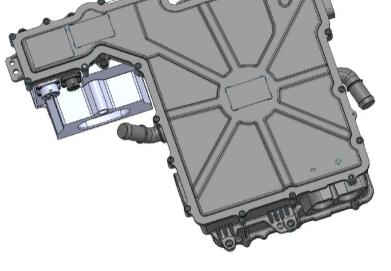
















Mercedes-Benz

**G-Class** 





- Project name: W463 MoPf Direction indicator (cat. 01)
- Cars per year: 45,000 pcs
- Annual production: 90,000 pcs
- Production status: Active/serial production







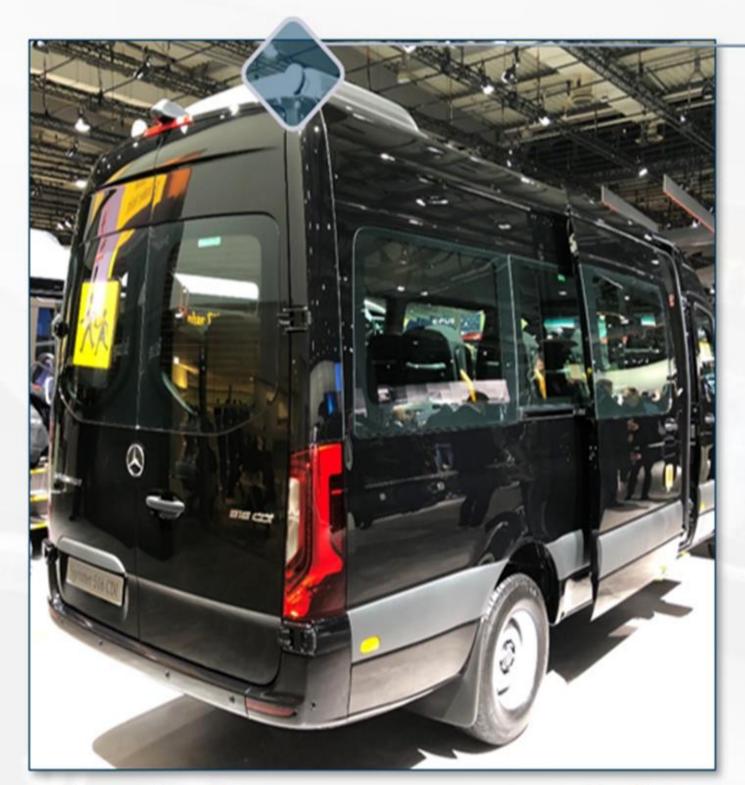
Mercedes-Benz

**Sprinter** 



- Project name: VS30 (W910) Direction indicator (cat. 02)
- Cars per year: 5,000 pcs
- Annual production: 10,000 pcs
- Production status: Serial/special equipment





Mercedes-Benz

**Sprinter** 



#### Project info:

Project name: VS30 (W910) – Direction indicator (cat. 02)

Cars per year: 200 pcs

Annual production: 400 pcs

Production status: Serial/special equipment







**Daimler** 

Flashing warning light

#### PROJECT DEVELOPMENT OVERVIEW

Phase 1: development phase & prototypes

Phase 2: development in partnership with Odelo and sales to OEM

Phase 3: OEM developed and sold as TIER 1 supplier

#### Project info:

Project name: WBL

Annual production: 100,000 pcs

Production status: Active/serial production





Mercedes-Benz W223

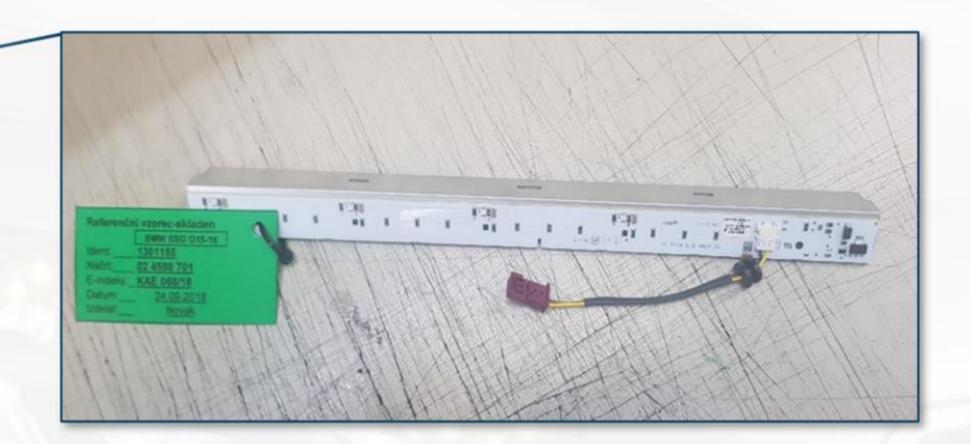


- Project name: Motor with electronics for sun vizor movement
- Technology: Hi-tech electronics with motor and wire harness
- Annual production: 100,000 pcs
- Production status: Active/serial production





BMW Series 8



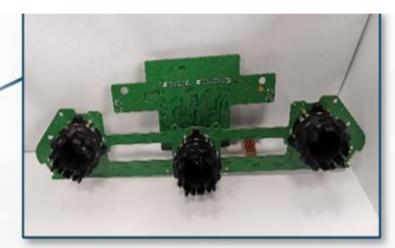
- Project name: Break light for G14 and G15
- Annual production: 200,000 pcs
- Production status: Active/serial production



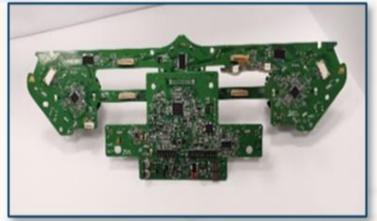
















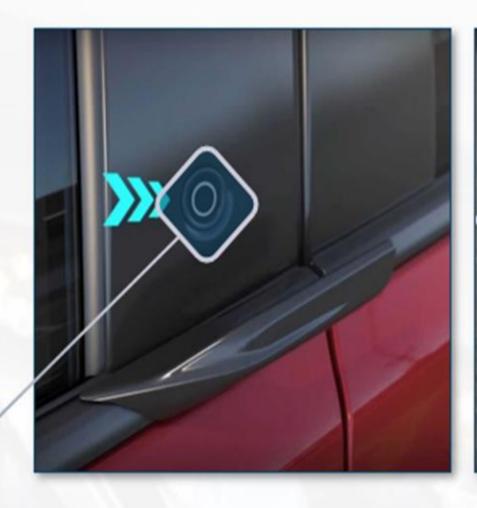
- Project name: AM 600/800 Front console electronics
- Project name: AM 600/800 USB ports
- Annual production: 5,000 pcs
- Production status: Active/serial production





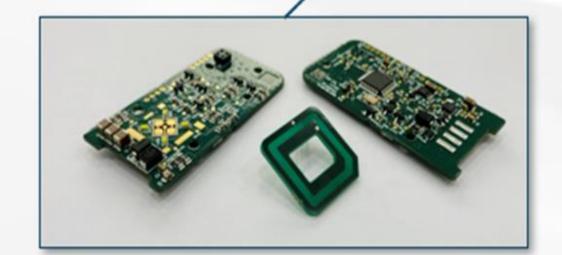








- Project name: FORD DAS Door Activation Switch
- Annual production: 500,000 pcs
- Production status: Active/serial production







Development of LED trunk light in cooperation with Škoda





Project name: Škoda Superb trunk light, Fabia to follow

Light source: LED

Annual production: 2,500 pcs

Production status: Spare part









Audi A7 and A6



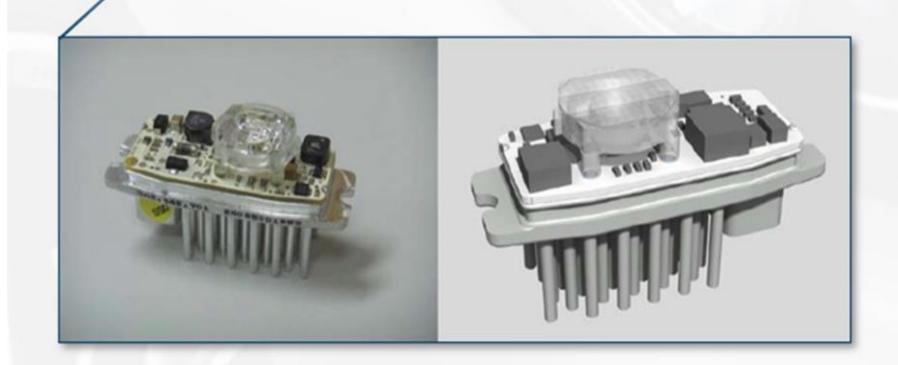
- Project name: Audi A6 Avant (C7), Audi A6 Limousine (C7), Audi A7 Sportback (C7)
- Annual production: 40,000 pcs
- Production status: Samples





## Development of fog LED module together with VW

VW



#### Project info:

Project name: New beetle II (5C), VW Passat (B7), New beetle (9C)

Cars per year: 2,500 pcs

Annual production: 5,000 pcs

Production status: Spare part





Mercedes-Benz

GLC - X253



- Project name: Full rear light electronics (STI, break, position ...)
- Annual production: 16,000 pcs
- Production status: Active/serial production





Mercedes-Benz

S-Coupé



#### Project info:

Project name: C-217 – Electronics for daytime running light Swarovski

Cars per year: 3,000 pcs

Annual production: 60,000 pcs

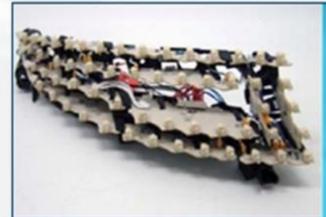
Production status: EOL





**Porsche** 

911/ Boxter / Panamera





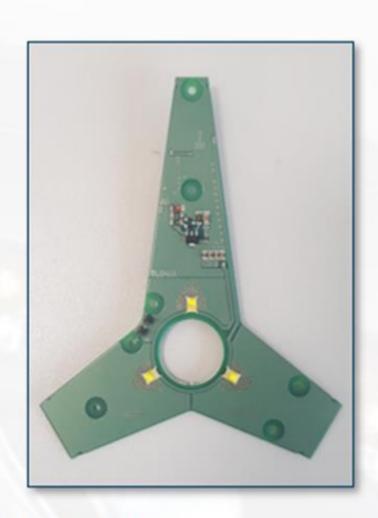


- Project name: Porsche 911(997), Boxter (987), Panamera (970)
- Annual production: 200,000 pcs
- Production status: Spare part



Mercedes-Benz

**G-Class, Daimler trucks** 



- Project name: LED luminated Mercedes STAR
- Technology: LED Automotive Lighting
- Annual production: 10,000 pcs
- Production status: Serial

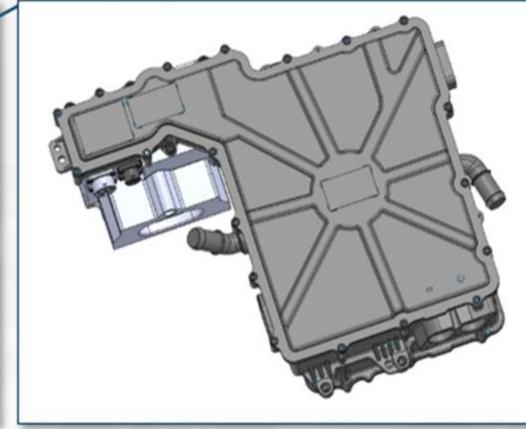


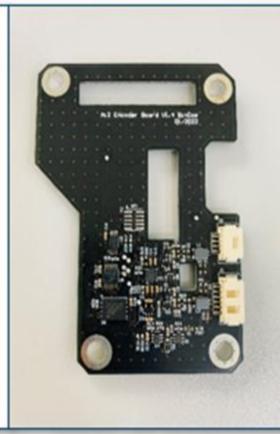
Nissan 4x4 models Project info:

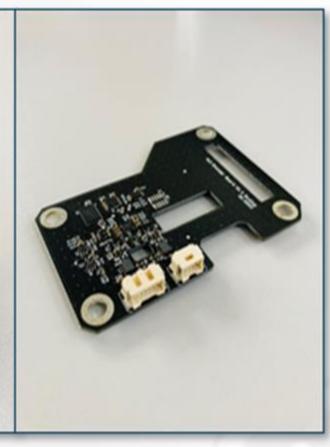
- Project name: Nissan 4x4 Gearbox Lock sleeve sensor
- Annual production: 70,000 pcs
- Production status: Active/serial production









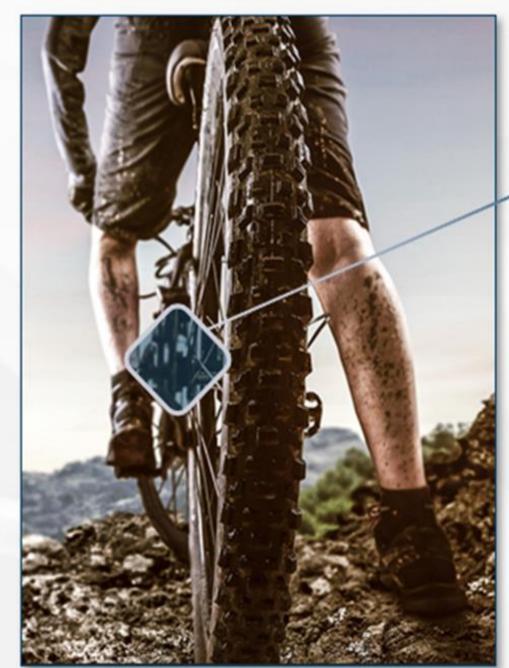


Interface for in-wheel motor

Various super car models

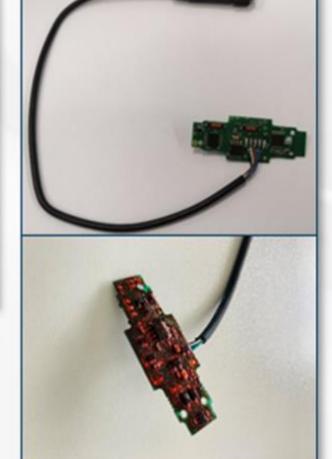
- Project name: Motor interface for in-wheel steering systems
- Technology: Hi-tech, hi-voltage electronics
- Annual production: 2,500 pcs
- Production status: On order



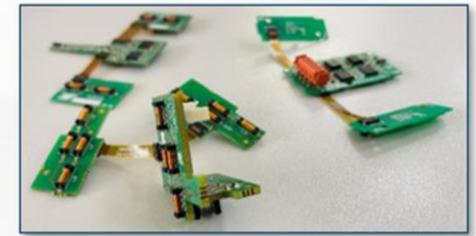


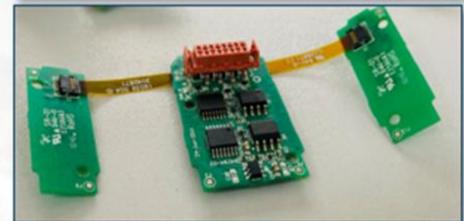
e-Bike





#### Other models





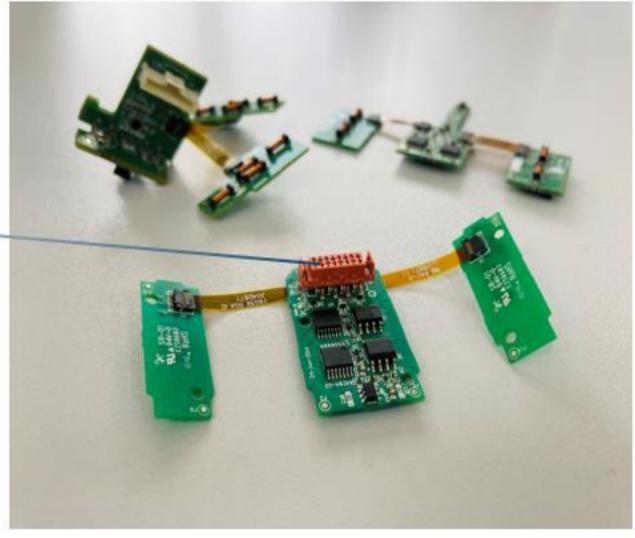
- Project name: E-bike electronics Torque Sensor
- Annual production: 100,000 pcs
- Production status: Active/serial production



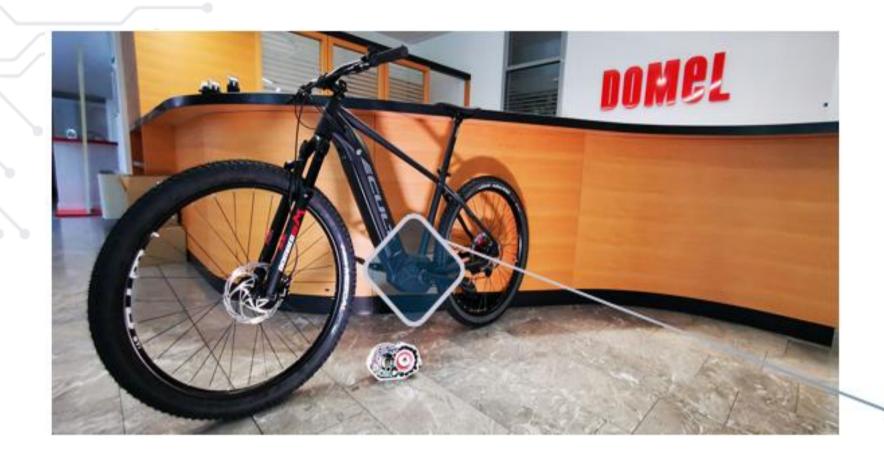


Continental e-Bike

- Project name: bike electronics Torque Sensor
- Annual production: 60,000 pcs
- Production status: On customer order.



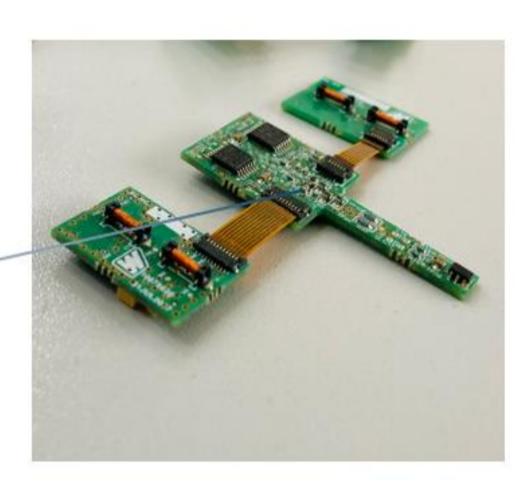






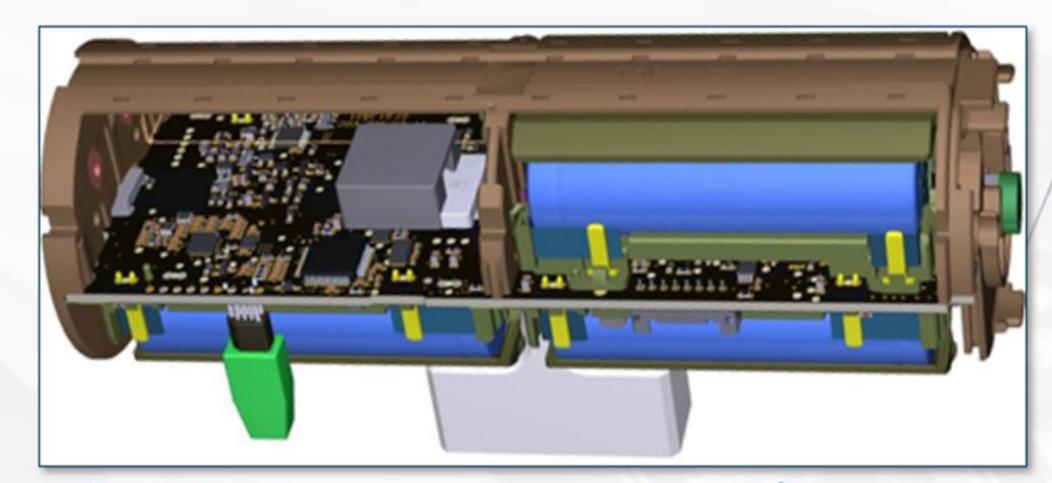


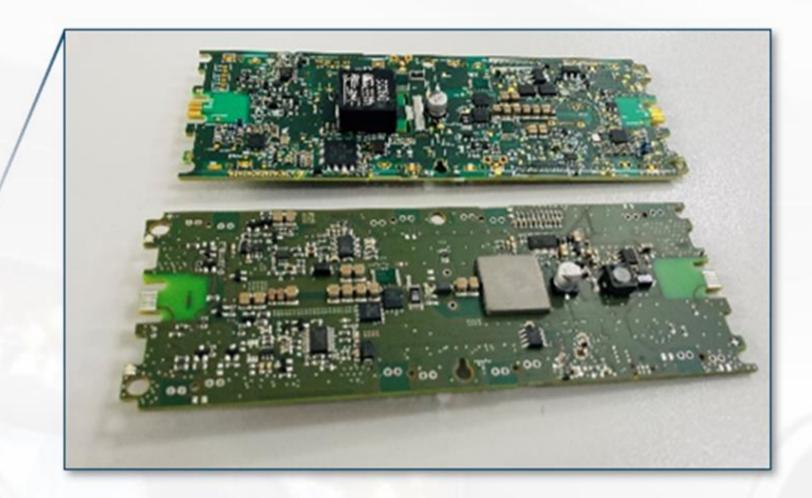




- Project name: Methode Torque Sensor Bike electronics
- Annual production: 50,000 pcs
- Production status: On customer weekly chedule demand orders.







**Unicorn energy** 

**Energy Tube** 

#### **Project info:**

Project name: Battery tube

Annual production: 3,000 pcs

Production status: Active/serial production









#### **LOGICDATA - SMART Neo 2G**





#### Project info:

- Project name: Control box adjustable height system
- Technology: Hi-tech motion electronics
- Annual production: 180,000 pcs
- Production status: Active/serial production

SMART FURNITURE SYSTEMS



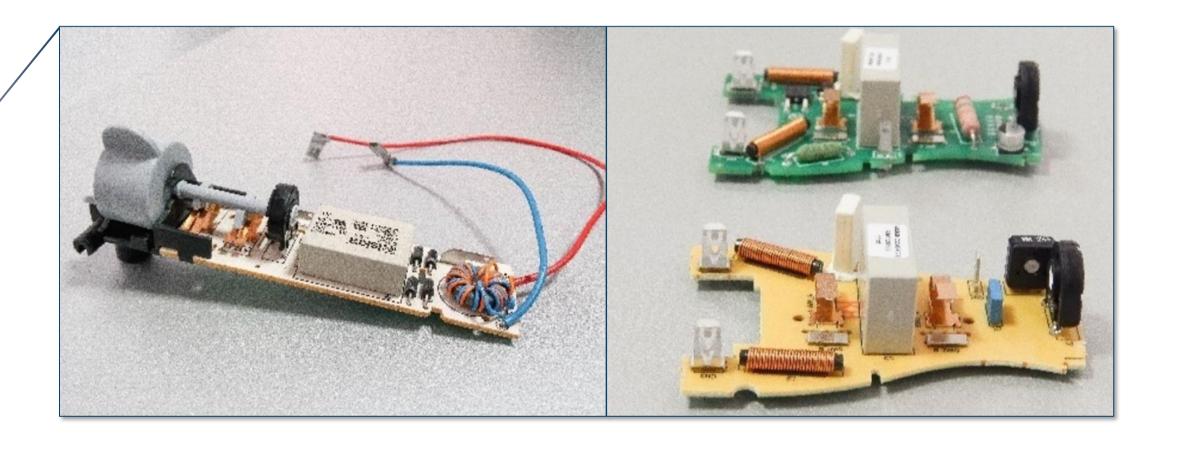
**Induction board** 



- Project name: Induction board electronics
- Annual production: 5,000 pcs
- Production status: On request



For OEM customers



#### **Project info:**

Project name: PCB for small appliances

Annual production: 100,000 pcs

Production status: Active





## Basic product information Sizes: S | M | L

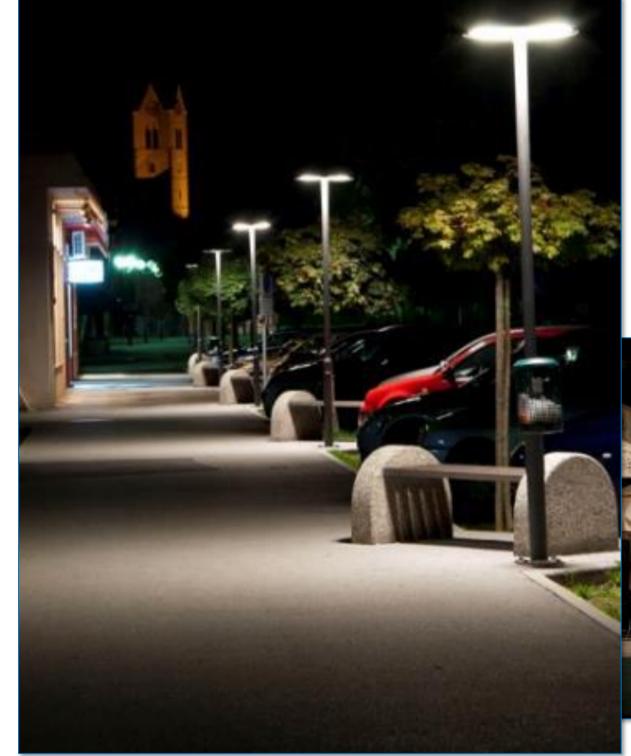
- IK09 or IK10 shock and impact resistance (PMMA)
- IP66 ingress protection rate
- Aluminum alloy





#### **Basic product information**

- IK09 shock and impact resistance
- IP65 ingress protection rate
- Deep drawn steel housing





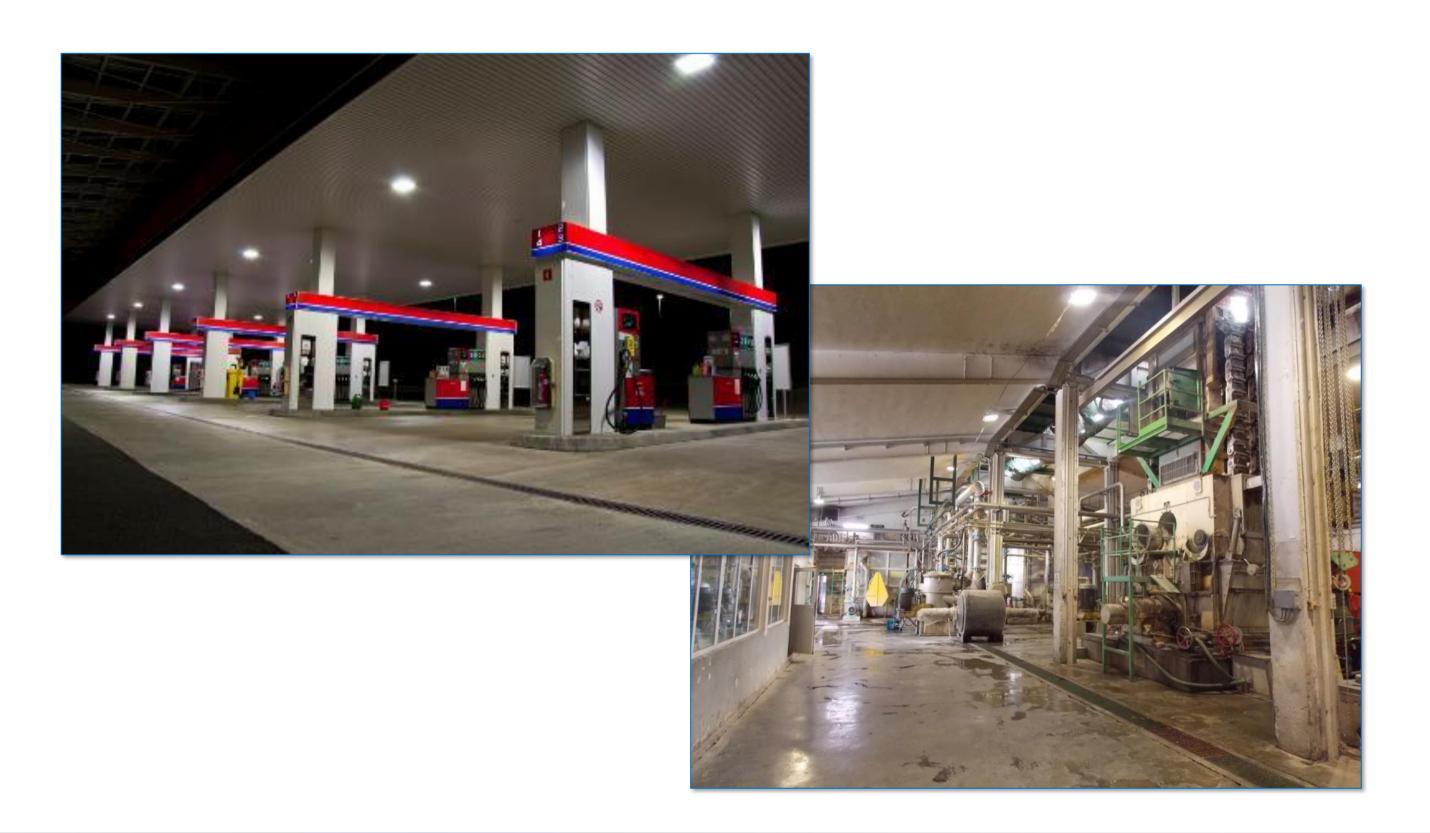




**Terralite ECO** 

#### **Basic product information**

- IK09 shock and impact resistance
- IP65 ingress protection rate
- Deep drawn steel
- TG cover



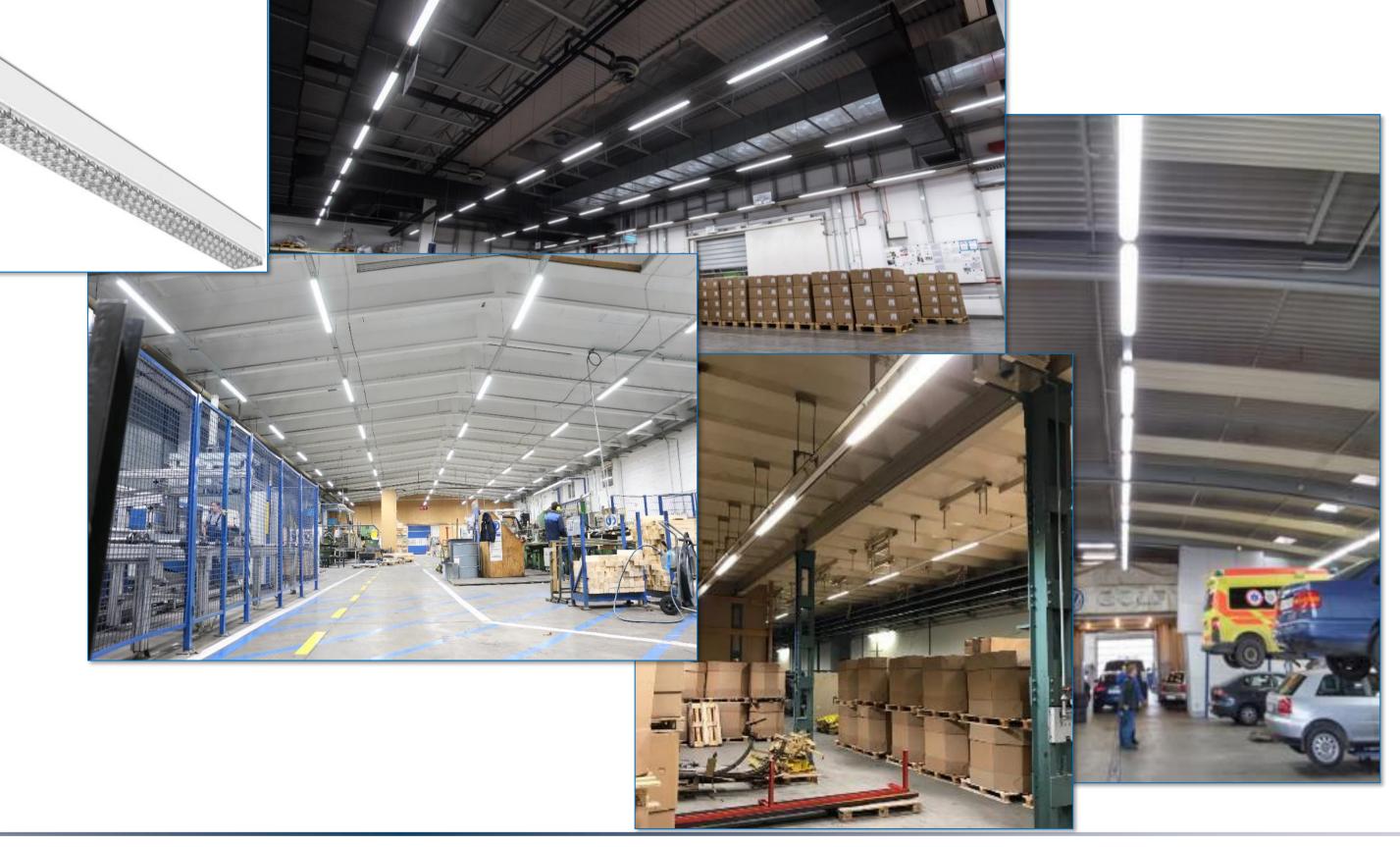




#### **Impervius & Bix**

#### **Basic product information:**

- IP65 ingress protection rate
- PC or PMMA cover
- IK08 shock and impact resistance
- IP40 ingress protection rate
- Aluminum housing
- Direct/indirect lighting











This is to certify that

SG Automotive d.o.o.

IATF USI T6HTCG

has implemented and maintains a Quality Management System.

Manufacture of electronic parts and assembly (plastic, electronic and wire harnesses)

An audit, conducted and documented in a report, has verified that this quality management system fulfills the requirements of the following International Automotive Standard:

IATF 16949:2016

(without product design)

Certificate registration no. 31150632 IATF16 2024-07-13 This certificate is valid until 2027-07-12 0530492



For and on behalf of DQS







This is to certify that

SG Automotive d.o.o.

Industrijska cesta 12 3210 Slovenske Konjice Slovenia

has implemented and maintains a Quality Management System.

Manufacture of electronic parts and assembly (plastic, electronic and wire harnesses)

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:  $\frac{1}{2} \frac{1}{2} \frac{$ 

ISO 9001: 2015

Certificate registration no. 31150632 QM15 Valid from 2024-07-13 2027-07-12 Valid until Date of certification 2024-07-13



DQS GmbH







#### **CERTIFICATE**

Certificate Registration No.: 12 104 7830 TMS / Order No.: MS201000231

The Certification Body of TÜV SÜD Management Service GmbH certifies that the organization



SG Automotive d.o.o. Industrijska cesta 12 3210 Slovenske Konjice Republic of Slovenia

for the scope

CERTIFICAT

•

CERTIFICADO

•

СЕРТИФИКАТ

.

CERTIFICATE

•

ZERTIFIKAT

Manufacturing and sales of electronic parts and assembly (plastic, electronic and wire harnesses)

has established and applies an Environmental Management System. An audit was performed and has furnished proof that the requirements according to

DIN EN ISO 14001:2015

The certificate is valid from 2024-06-21 until 2027-06-20.



Fred Wenke Head of Certification Body Munich, 2024-05-08



TÛV SÛD Management Service GmbH • Zertifizierungsstelle • Ridlerstrasse 57 • 80339 München • Germany



#### Notice of Maintaining the Validity of Certification

CCAP Reference No. 20240911090311Q1J2

Factory: SG AUTOMOTIVE, d.o.o. The follow-up inspection of your factory in 2024 has been accomplished.

We approve the validity of your certificates till next follow-up inspection.

CCAP2017091109008342, CCAP2018091109008645, CCAP2018091109008646

Director: 马麟



China Certification Centre for Automotive Products Co., Ltd.

联系人 (Contact): Chen Wei (Winnie) 电话 (Tel): +86-010-88301742 邮箱 (E-mail): chenwei@cccap.org.cn

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Te1:+86-010-88301742

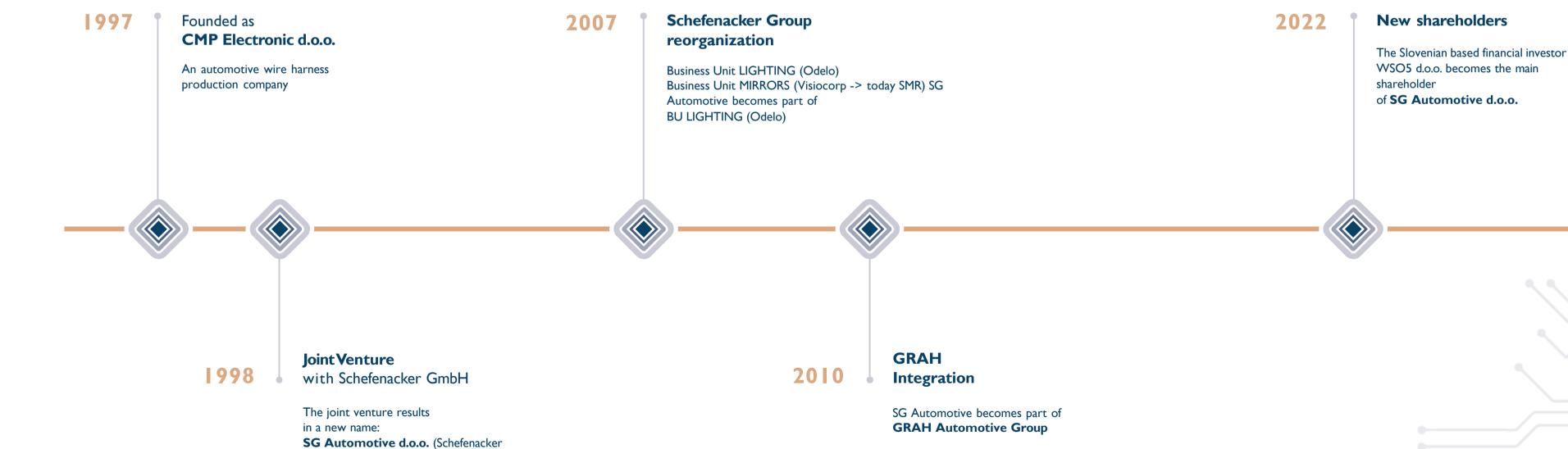
Website: http://www.cccap.org.cn





**Grah Automotive**)

## > KNOW-HOW & EXPERIENCE SINCE THE ADVENT OF LED TECHNOLOGY IN VEHICLE LIGHTS





## Thank you!

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- +386 3 757 16 50



www.sga.si

