

Sensing is life

ams OSRAM

Creating the uncontested leader in optical solutions

Ams OSRAM Werk Schwabmünchen

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17.11.2021

Frage

Slido Tool



Frage:

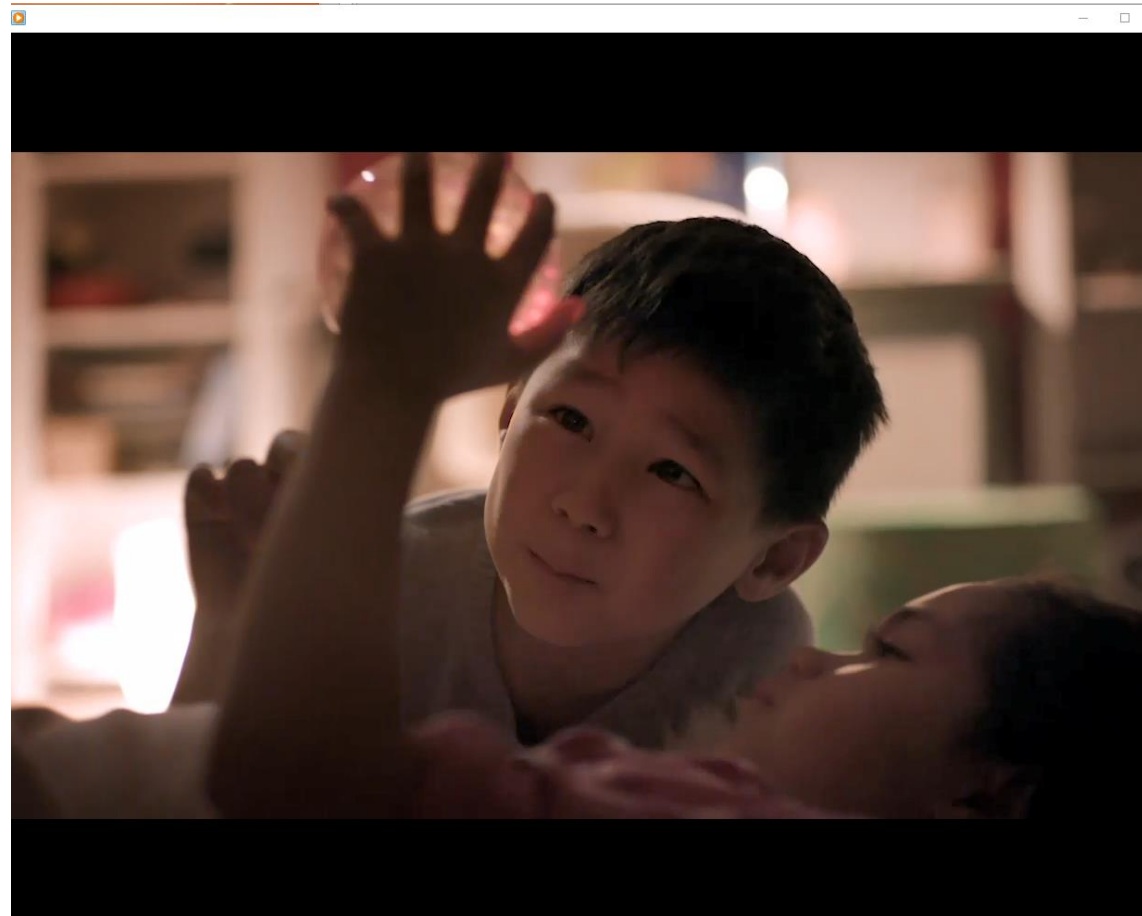
- Haben Sie Produkte von OSRAM Zuhause?

Antwort:

- Ja
- Nein
- Weiß nicht



FILM Image ams OSRAM



A global company

Global teams to serve our global customers



ams OSRAM at a glance

>5.5 bn

USD combined
revenues 2020*

5,500+

Engineers

20,000+

Customers

~27,000

Employees

~60/40%

AIM/consumer
revenue split H2 2020

AIM is Automotive, Industrial and Medical

40+

Major R&D locations

15,000+

Patents granted
and applied for

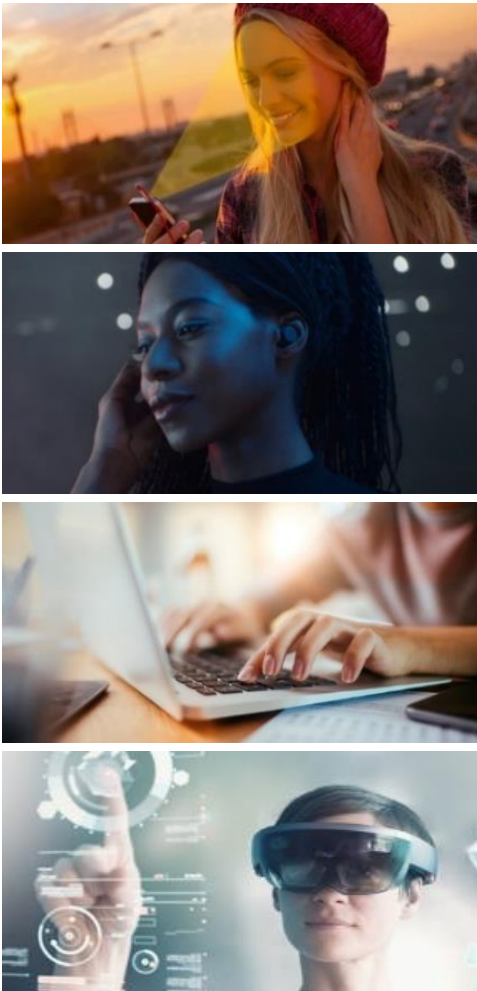
110+

Years design +
manufacturing

Sensing is life

Intelligence to light, passion to innovation

Mobile, Wearable, Computing



Industrial, Medical



Automotive



Lighting



2. ams OSRAM - Automotive applications

Leading position in OEM and Aftermarket lighting business



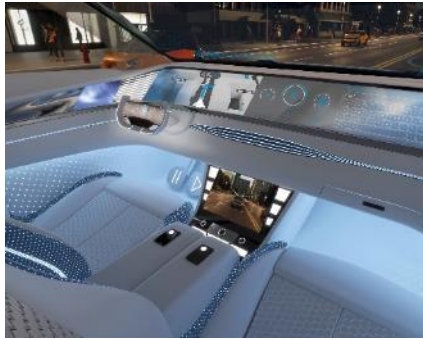
Automotive Overview

Enabling innovation in automotive mobility applications

Automotive application and technology trends



Exterior lighting



Interior lighting



Automated & autonomous driving



Driver & interior monitoring



Gesture sensing & HMI



Head-up display

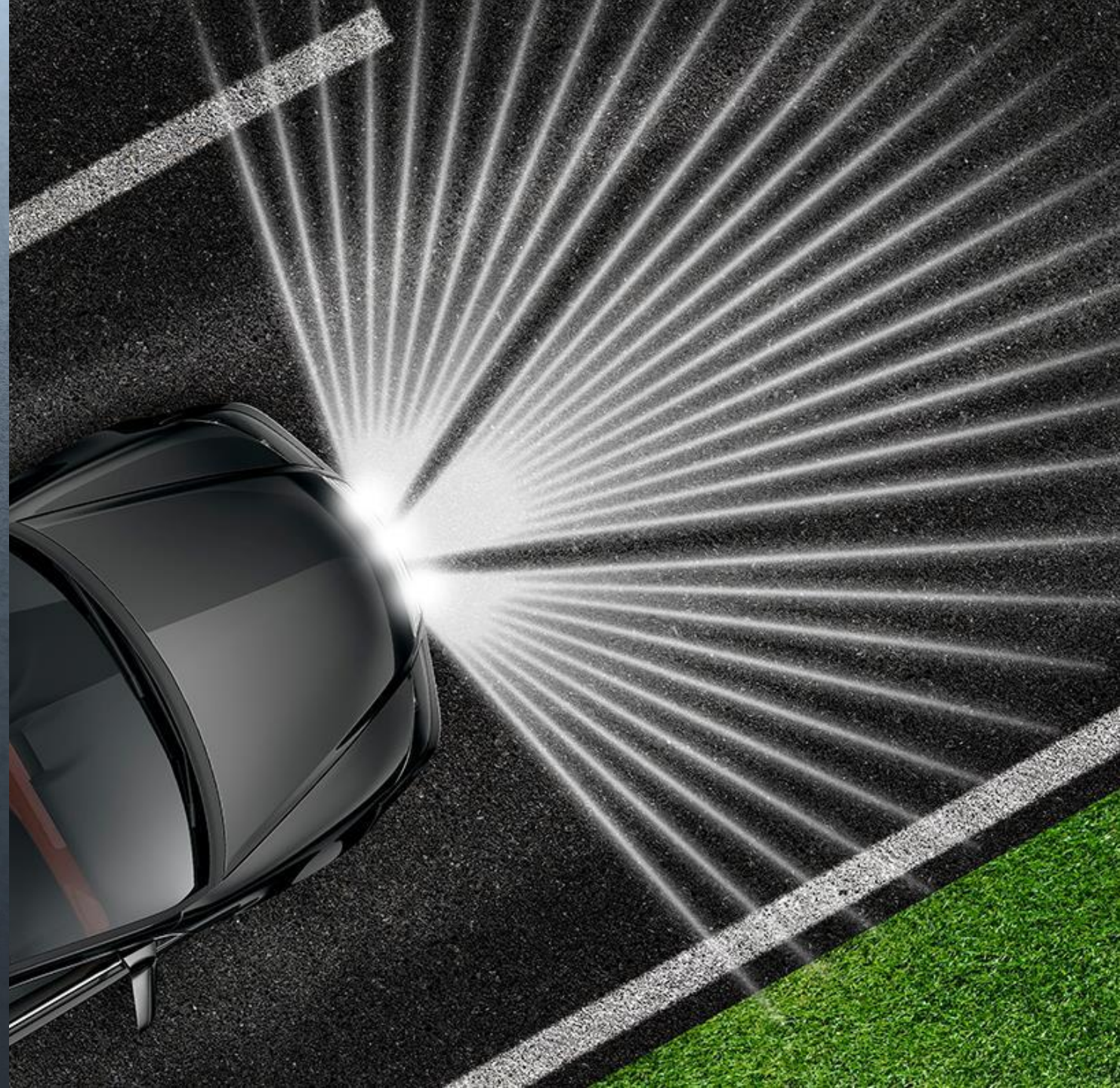


Automotive

LED (low-mid-high-power), Matrix Light, LiDAR (VCSEL and EEL), IRED, Laser, 2D/3D sensors, classic sources (Halogen, Xenon)

LiDAR technology for safer driving: ADAS applications and autonomous vehicles

- True solid-state and flash LiDAR enabled by VCSEL arrays and drivers
 - High overall power, stable over temperatures, scalable
 - VCSELs allow for addressability, to power specific zones of the die / LiDAR Field of view
- Edge-emitting LiDAR with high-power density suitable in combination with MEMS and mechanical mirrors
- Single bar pulse lasers with 1-4 channels (8 channels upcoming)
- Fiber laser pump sources as energy supply



Frage

Slido Tool



Frage:

- Welche Beleuchtungsquelle ist als Frontscheinwerfer in Ihrem Fahrzeug verbaut?

Antwort:

- Laser
- Traditionell (Halogen, Xenarc,)
- LED,





Exterior lighting

- Broad portfolio: best-in-class components & modules for exterior lighting, signaling, sensing applications
- LiDAR sensors to improve safety: ADAS functionality, autonomous driving
- Matrix LED headlights mean maximum visibility and iconic styling
- Projected lighting and light carpets using micro-optic VCSEL projectors
- Lighting: LED, Halogen and Xenon solutions
- Enable vehicle-to-human communication



Interior lighting

- Key technology for the future of automotive interior:
 - IRED, VCSEL emitter and sensor components for gesture control, driver- and in-cabin monitoring
 - LED for smart interior lighting
 - Ambient light sensors for dynamic display brightness adjustment
- Driver and in-cabin monitoring for improved safety (alertness, HOD, occupancy)
- EEL for next-generation, augmented-reality powered head-up displays
- New control systems e.g. gesture control
- Smart interior lighting for onboard wellbeing
- Up to full dash displays for in-car control

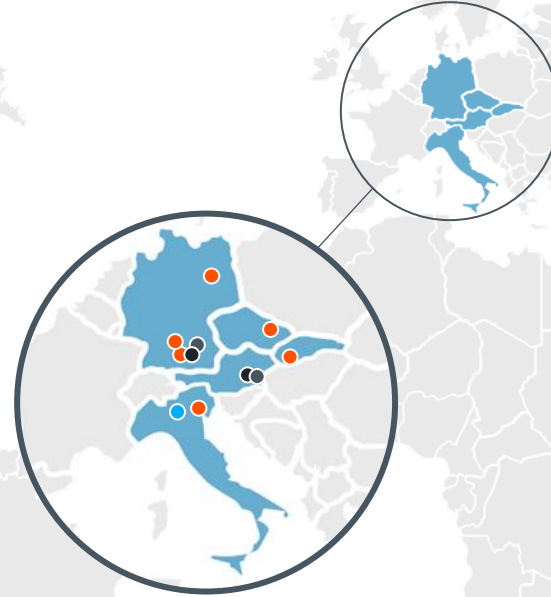


Leader in automotive aftermarket lighting (LED, Halogen, Xenon)

- Global #1 market leader for replacement lighting
- Complete value chain with first sale at OEMs to the vehicle's very last lamp replacement
- Broad product portfolio serving all lighting technologies: LED, Halogen, Xenon
- Award-winning exchangeable LED light sources (LED retrofits)

Global manufacturing network

Our global manufacturing locations allow for customer proximity



Headquarters

Munich
Premstätten

Semiconductors

Calamba City, Exeter, Kulim, Penang,
Premstätten, Regensburg, Singapore,
Wuxi

Automotive

Berlin, Bruntal, Foshan,
Hendersonville, Herbrechtingen,
Hillsboro, Kunshan, Nové Zámky,
Schwabmünchen, Treviso, Warren

Digital

Austin, Bergamo, Monterrey,
Kunshan,

Frage

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Frage:

- Haben Sie Produkte aus Schwabmünchen Zuhause?

Antwort:

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- Nein
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AM Prematerials

Übersicht Werk Schwabmünchen



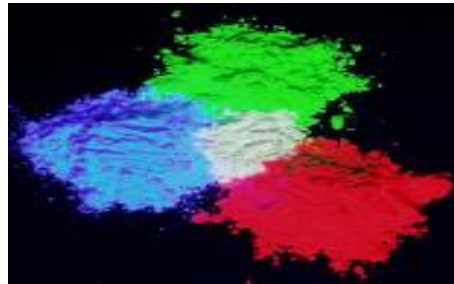
Werksübersicht

Start der Produktion 1961
Produktionsfläche 26.800m²
Mitarbeiter 289

Metall



Chemie



Platelets



Schwabmünchen liefert Vorerzeugnisse in einen Großteil der Anwendungen

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ami OSRAM

Thank you