


EPIC ONLINE TECHNOLOGY MEETING ON AUTOMOTIVE LIGHTING

Claus Allgeier, 27th May 2020

A large, abstract graphic composed of numerous thin, white, wavy lines that flow across the bottom half of the slide, creating a sense of motion and depth.

OSRAM Continental: Combining the expertise of two strong partners

OSRAM

- Founded: 1918
- Field of Specialization: Lighting solutions for automotive applications
- Sales: EUR 3.8 bn¹

2

strong roots

Continental

- Founded: 1871
- Field of Specialization: Automotive Light and Electronics
- Sales: EUR 44.4 bn²

OEM STANDARD
VS.
CUSTOMER SPECIFIC

16

locations

1

mission

1,500

employees



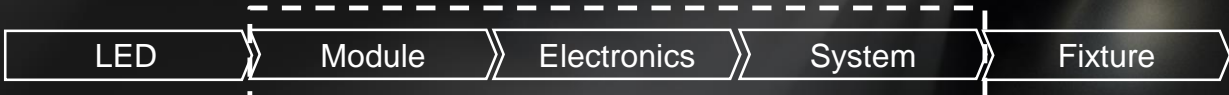
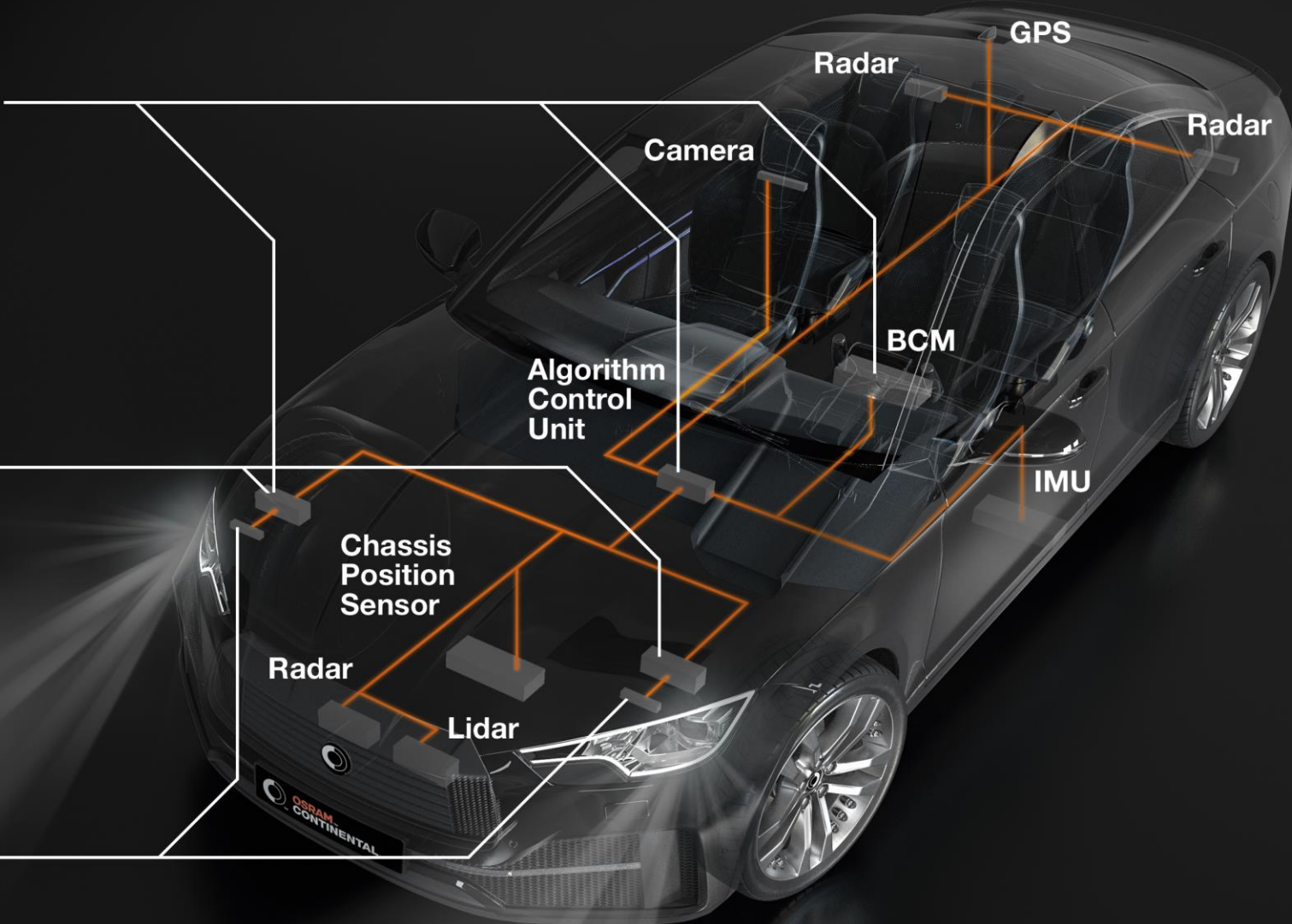
Intelligent lighting by OSRAM Continental

Lighting Algorithms



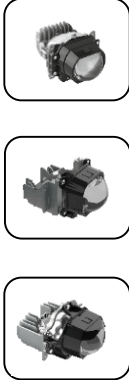
Light Control Unit

HD Lighting Module

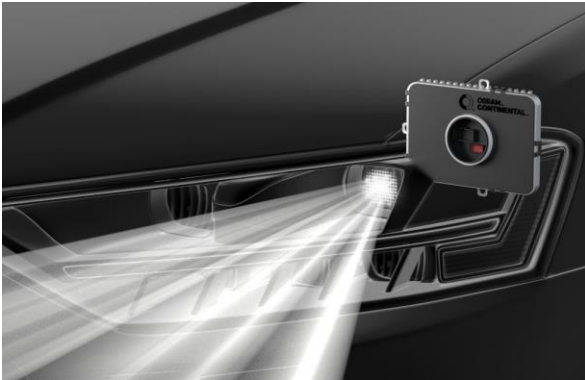


Intelligent lighting by OSRAM Continental

FRONT LIGHTING



LIGHT CONTROL UNITS



INTERIOR LIGHTING



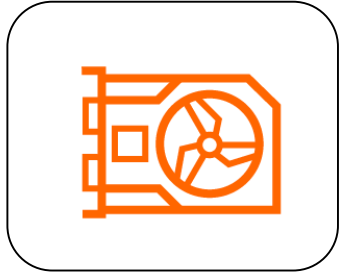
PROJECTION SOLUTIONS



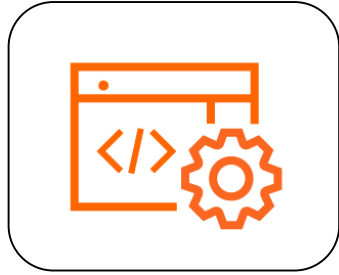
SENSOR FUSION



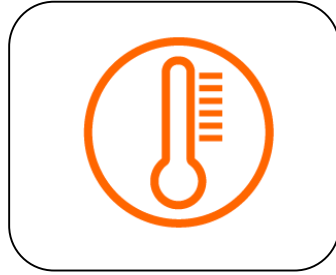
OSRAM Continental capabilities at a glance



Hardware



Software &
Algorithms



Thermal
Management



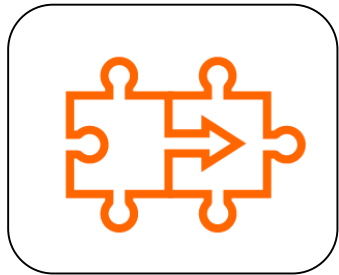
Optical
Design



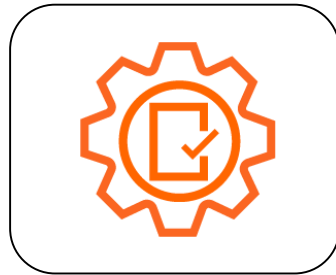
Silicone
Optics



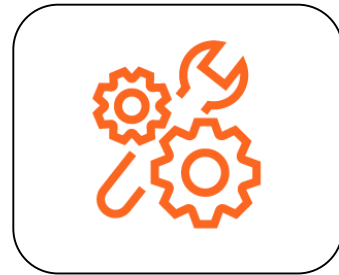
Sensor Fusion



System
Integration



Testing &
Validation



Advanced
Surface Mount
Technology



Studio
Design

OSRAM Continental: What do we look for?

GENERAL INTERESTS:

- New technologies helpful to serve our applications with
 - new solutions
 - improved performance
 - reduced cost
- Prerequisite is automotive quality
 - zero failures
 - environmentally robust (temperature range, humidity, vibration, etc.)
 - costs

TECHNOLOGICAL FIELDS OF INTEREST:

- Light modulators (transmittance, reflectance) for high resolution with higher optical efficiency & lower cost: e.g. DMD & alternative technologies like LCD, LCOS
- Micro matrix LEDs for high resolution
- Micro optics, for example micro lens arrays
- Smart RGB LEDs (LEDs combined with ASICs): extension to Mid & High Power and to open source protocols

THANK YOU

CONTACT

OSRAM CONTINENTAL GMBH

Principal Strategy & Regulations

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