


First Sensor   
is now part of



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# New Ideas for Intelligent Mobility

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COMPANY PRESENTATION - VISION

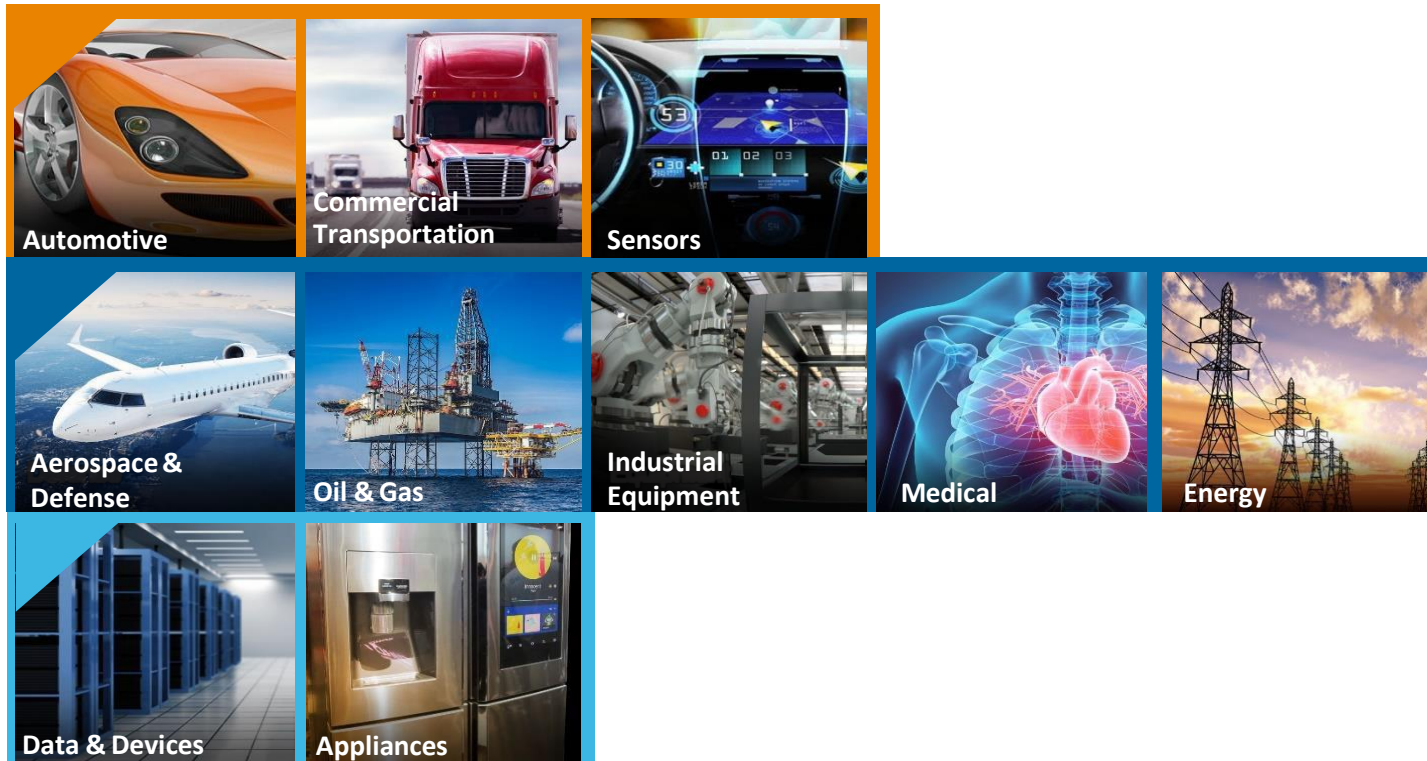
10.11.2020

Company Confidential!

# COMPANY PRESENTATION

## OUR MAJORITY SHAREHOLDER - TE CONNECTIVITY

- \$14 billion global technology and manufacturing leader with approximately 80,000 employees selling products into approximately 140 countries
- More than 75 years of experience in connectivity and sensor solutions



# COMPANY PRESENTATION

## OUR FACTS - FIRST SENSOR MOBILITY GMBH

DRESDEN-GERMANY

150  
employees

foundation  
2006

30 M€  
sales revenue

52 % production  
26 % engineering  
16 % supporting  
6 % quality

39  
Engineering  
pressure  
camera  
systems

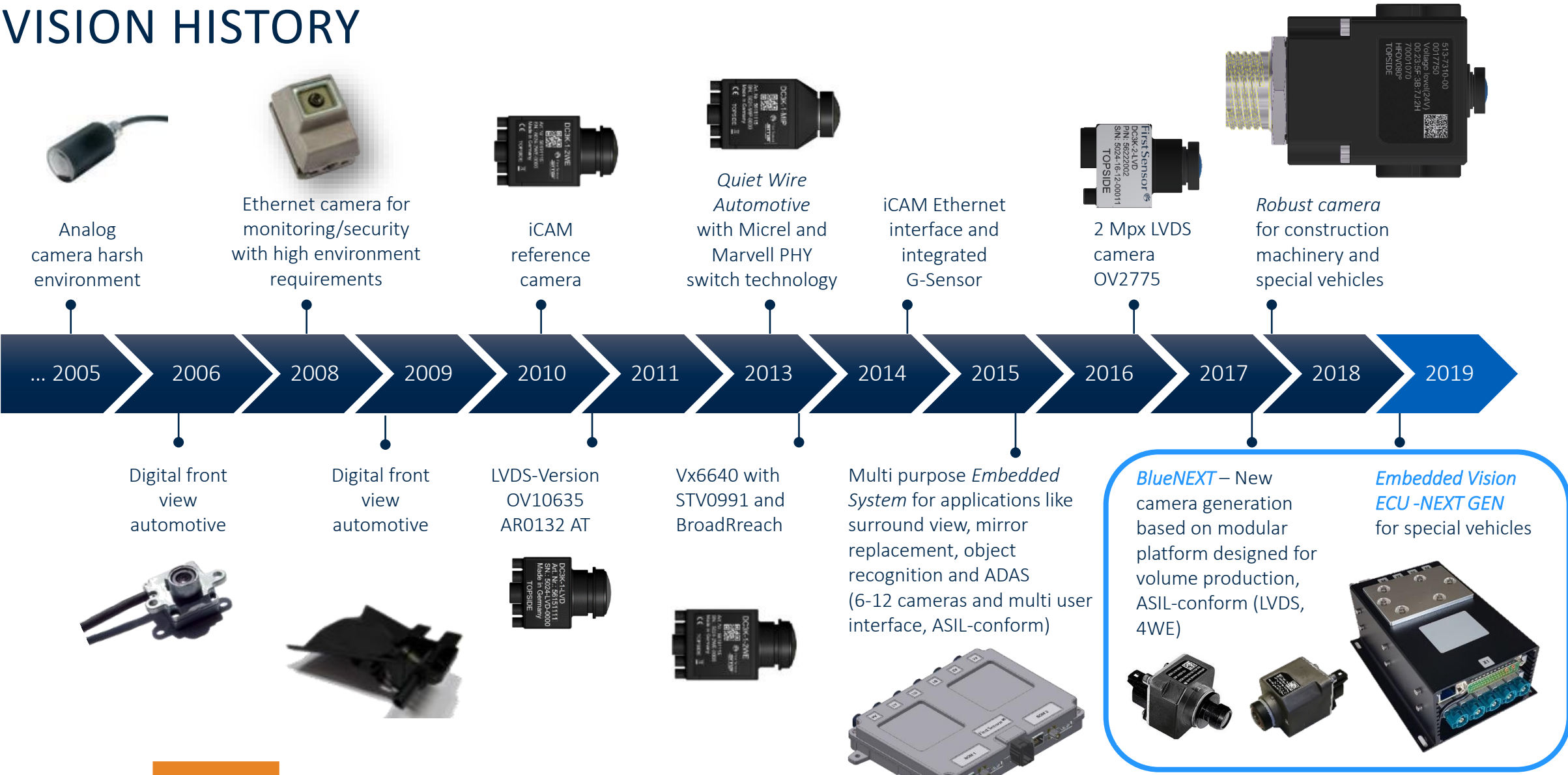
3 shifts 24 x 7

IATF 16949

3,300 m<sup>2</sup>  
15% clean room

# COMPANY PRESENTATION

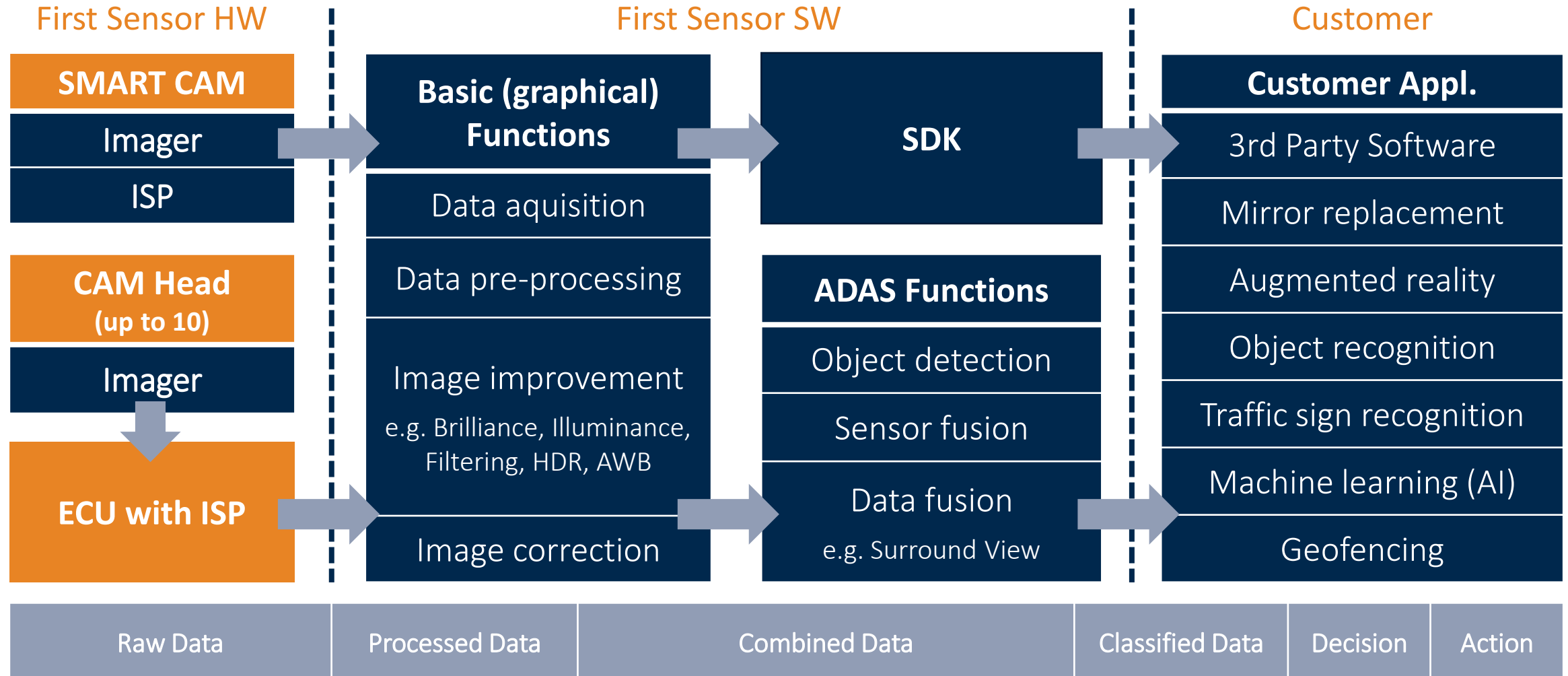
## VISION HISTORY





# COMPANY PRESENTATION

## MODULAR DIGITAL IMAGING PLATFORM



# COMPANY PRESENTATION

## AREA VIEW APPLICATION

### Situation awareness

- 360° with 4 cameras
- 2 independent video outputs with selectable individual views
  - RTP network video stream protocol (Ethernet)
  - HDMI/SDI/PAL ports
- Configurable mosaic view on display e.g.



- Manual extrinsic (camera position) calibration
- External interfaces
  - CAN, Gbit-Ethernet, LVDS FPD-III-Link, GPIOs (logical pins), PCIe (very fast data interface)
- Data recording on 64GB SSD
- Real time operating system (RTOS)
- Watch dog and diagnosis



# COMPANY PRESENTATION

## MARKET SEGMENTS

### Special Machines

#### High End Vision

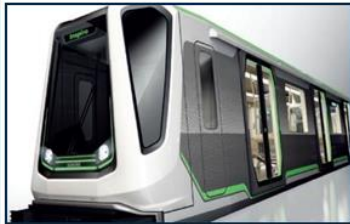
Dual 3D View  
Sensor Fusion  
MIL-STD Robustness



### Railway

#### Basic Vision

Multi-Camera Vision  
Reliability



### Autonomous Vehicle

#### Integrated Vision

Functional Safety  
ADAS Functions



### Commercial Vehicles

#### Safety Vision

Object recognition  
Sensor Fusion



### Passenger Cars

#### High Volume Vision

Mass Production  
Capability



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# Thank you

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## COMPANY PRESENTATION - VISION

November 10<sup>th</sup> 2020

First Sensor AG  
[www.first-sensor.com](http://www.first-sensor.com)

**First Sensor Mobility GmbH**  
Division of First Sensor AG  
is now part of TE Connectivity



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