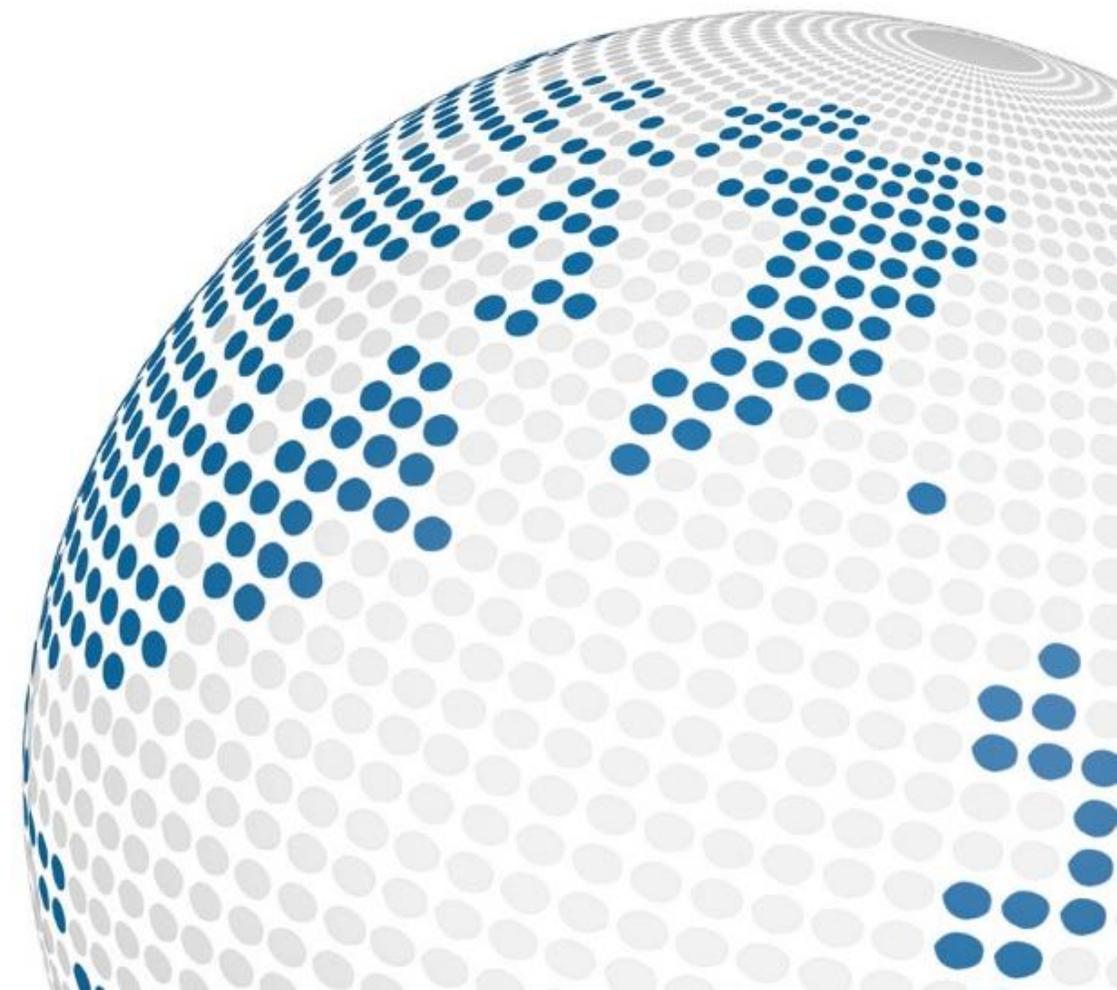


# 3D sensing

EPIC Online Technology Meeting



# EPIC Online Technology Meeting on 3D Sensing

ams at-a-glance



High performance sensor solutions for leading OEMs, focused on sensor-rich markets

## Key figures

**2.086**

bn USD  
revenues 2019

**32%**

Revenue growth  
year-on-year

**8,000**

Customers

**9,000**

Employees

**1,100**

Engineers

**>3,000**

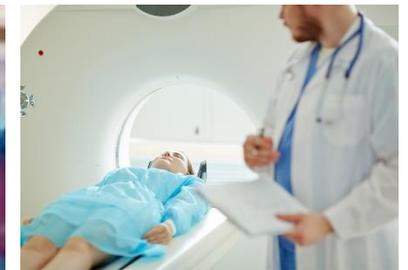
Patents granted  
and applied

## Our markets (FY 2019)

### Consumer



### Automotive, Industrial, Medical



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## ams supplies key components for 3D sensing

ams supplies key components for 3D sensing

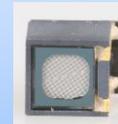
### ams key components for 3D sensing

#### Flood illuminator



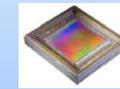
- Eye safety interlock
- Homogeneous, rectangular FOI
- High efficiency

#### Dot projector



- High contrast, focus free dot pattern
- Eye safety interlock
- High efficiency

#### Image sensors



- Global shutter
- High quantum efficiency

ams components find application in all 3D technologies, ToF, active stereo vision and structured light

### 3D sensing technologies

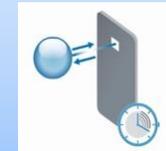
#### Active stereo vision



#### Structured light



#### Time of flight (ToF)



In strategic markets, ams supports the adoption of 3D sensing based on its components with reference designs including software

### 3D sensing reference designs and evaluation kits

#### Seres



- ASV for mobile front facing 3D
- Face unlock
- 3D data for apps

#### Athena



- SL 3D face authentication
- Self-contained module
- E-lock, E-payment

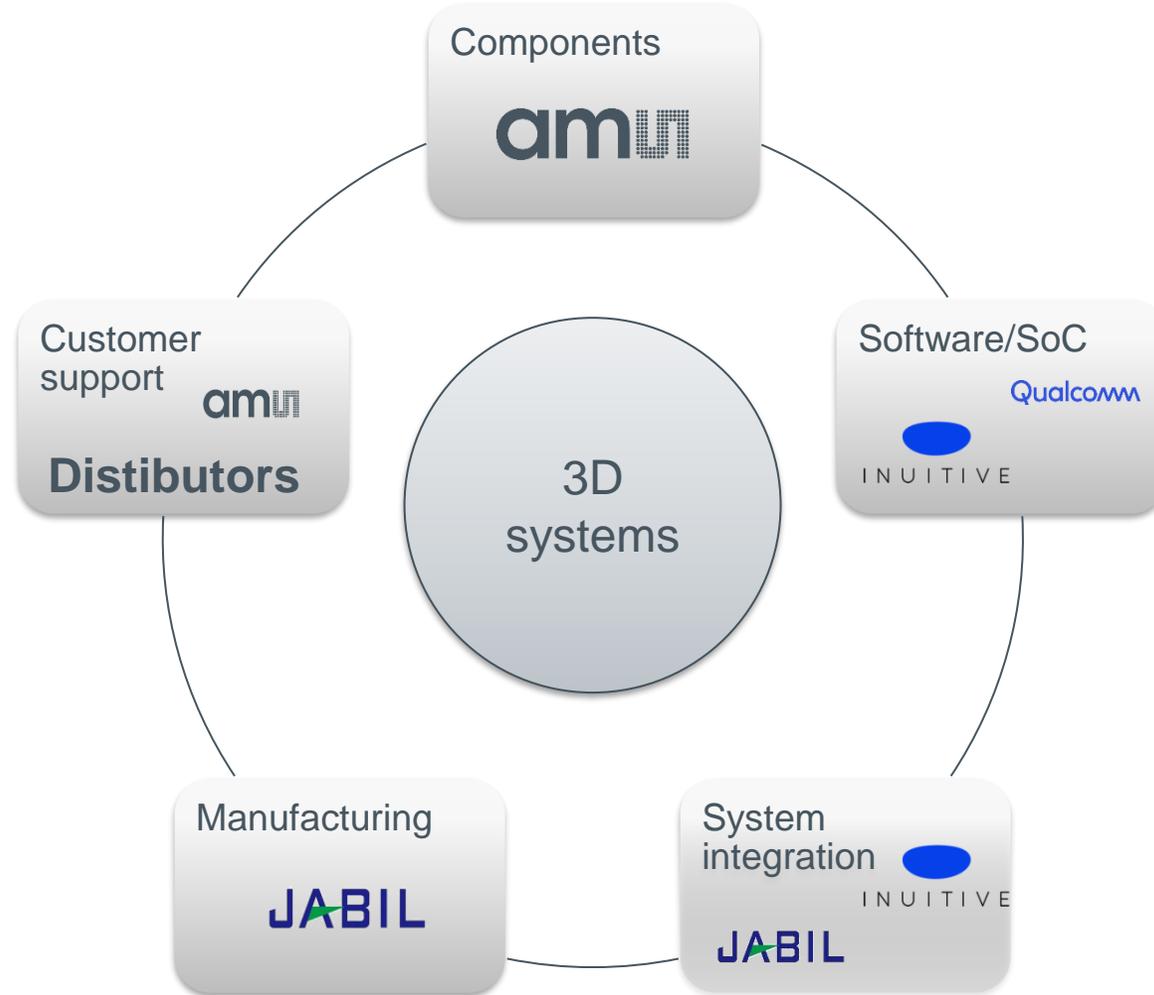
#### Hermes



- ASV/SL USB 3D camera eval kit
- 3D system eval

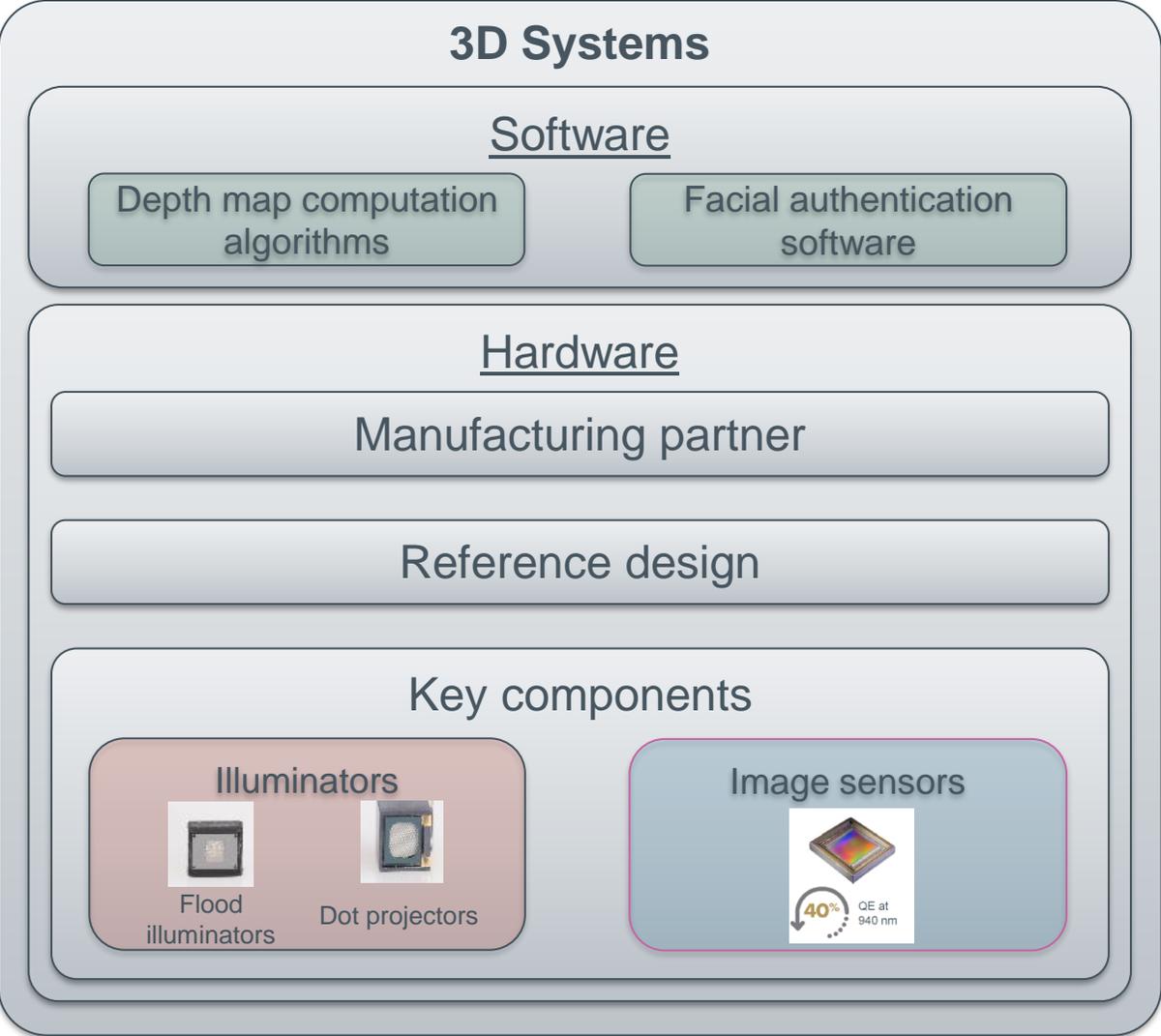
# EPIC Online Technology Meeting on 3D Sensing

Join us to address evolving 3D opportunities together



# EPIC Online Technology Meeting on 3D Sensing

Partner with us for key 3D sensing components, 3D systems or a complete solution



ams offers licenses for depth map computation and facial authentication software to customers using its reference design

**3D facial authentication solution**

ams provides reference designs and can recommend manufacturing partners

**3D system**

**Key components for 3D sensing**



# Thank you!

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