

LIGHT INTO THE DARK

Photonics & Sensor

Technology in Bavaria



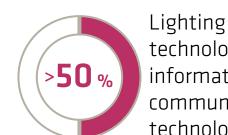
SECTOR'S POSITIONING IN BAVARIA

OPTICS AND PHOTONICS

German production volume 2014



Bavarian Share



technology, information and communication technology

Medical technology and life sciences



Source: Invest in Bavaria

Regional centres



Area of Munich-Augsburg, Erlangen-Nuremberg and Regensburg

SENSOR TECHNOLOGY

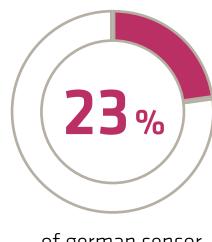
German sensor technologymanufacturers dominate the global market



Bavaria takes leadership role rising sales in the SME-oriented

sector in the last 10 years





of german sensor technology-manufacturers are **located** in Bavaria

Sources: Cluster Initiative Bavaria, Strategische Partnerschaft Sensorik e.V.

IMPORTANT ENTERPRISES AND INTERNATIONAL PLAYERS



Opto Semiconductors



Automotive GmbH

Ficosa with ADASENS

Semiconductors GmbH

OSRAM Opto

Infineon Technologies AG

Toptica Photonics AG

Knorr-Bremse AG

Sources: Invest in Bavaria, Strategische Partnerschaft Sensorik e.V.

PROMISING NETWORKING OPPORTUNITIES

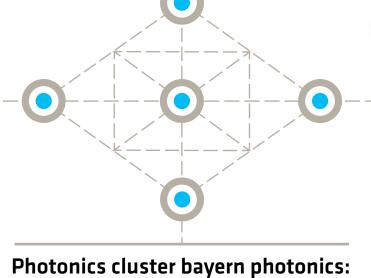
Offers networking on the European scale

European Optical Society

Deutschland e.V.: association of "bayern

OptecNet

photonics" with eight further expert networks in optical technologies



Strategische Partnerschaft Sensorik e.V.:

more than 60 members and

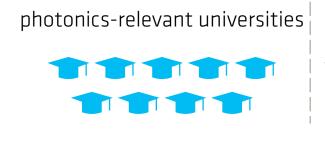
200 stakeholders for corporate networking, product innovation and capacity building

main contact and coordination platform since 2000 Sources: Invest in Bavaria, Strategische Partnerschaft Sensorik e.V., bayern photonics, OptecNet

RESEARCH & DEVELOPMENT

BAVARIA OWNS WORLD LEADING POSITION IN BASIC AND APPLIED RESEARCH FOR OPTICAL TECHNOLOGIES

UNIVERSITIES AND UNIVERSITIES OF APPLIED SCIENCES



universities of applied sciences

research institutes

Source: bayern photonics

REGIONAL STUDY **PROGRAMMES**



Mechatronic-Optical Engineering

Nuremberg

Deggendorf **Electronic and Mechatronic Systems**

RESEARCH-BASED



Würzburg Fraunhofer Institute for Integrated Circuits IIS

Erlangen Source: Invest in Bavaria

PROMOTION OF TALENTS

SUCCESSFUL START-UPS FROM BAVARIA

indt act

Cosinuss GmbH, Munich Sensors for body data



Sources: Impulse, Elektronik Praxis, Gründerszene START-UP CHALLENGES

Start-Up World & Photonics **Award Contest**



Contest CODE in to the digital future Roboception GmbH, Munich amongst

the best photonics start-ups 2016

Sources: OptecNet, Photonics Research Germany



TAP INTO NEW BUSINESS OPPORTUNITIES

www.invest-in-bavaria.com