

// ALLIED VISION AT A GLANCE

Focus on what counts



// INFINITE APPLICATIONS

The vision to see the possibilities.

Vision applications are often unique and involve their own specific technical challenges. From industrial inspection through high-precision science and medical imaging to traffic monitoring and razor-sharp sports tracking, our high-quality cameras are designed to

meet all your vision application needs and more. Built to withstand vibration, shock, heat, and constant use, they are extremely robust and prove themselves in challenging environments around the world every single day of the year.

At Allied Vision, we believe in nurturing close relationships with our customers, taking the time to listen and asking the right questions. Helping us to better fulfill our customer's needs, this approach also enables us to adapt quickly and develop innovative vision solutions that meet market challenges head-on. **Focus on what counts.**



// MISSION

Computer vision for every industry.

At Allied Vision, we help people achieve their goals with digital cameras for computer vision. This technology opens up a range of new possibilities for businesses throughout a broad spectrum of industries. Originally

built with the needs of manufacturers in mind, our camera portfolio now extends to a wide variety of sectors including science and research, medical imaging, traffic monitoring, and sports analytics.



To meet these different needs, our product range takes in everything from inexpensive plug-and-play cameras with basic feature sets to highly versatile cameras offering a large choice of sensors, modular options, and integrated image optimization features. To fulfill the most demanding of requirements, we also

produce powerful cameras equipped with special features such as high resolution, extended operating temperature ranges, high frame rates or infrared sensitivity. In fact, no matter what camera specifications your application dictates, chances are our product portfolio already contains a camera that meets them perfectly.



// RESEARCH & DEVELOPMENT

Designed and built in-house to meet your challenges.

We develop imaging solutions that set new standards in quality and performance. And, from the first blueprint to the finished item, we put a strong focus on creating products capable of meeting the most demanding of application requirements. With this in mind, our engineers and technicians design and manufacture digital cameras for exciting future markets at three production and development sites

in Germany and Canada. At these locations, production not only meets the highest standards but is also ISO 9001 and ISO 13485 certified. Key to this is our international team of closely networked specialists. Their goal is to always ensure our cameras exceed your expectations in delivering the precision and reliability your application demands.

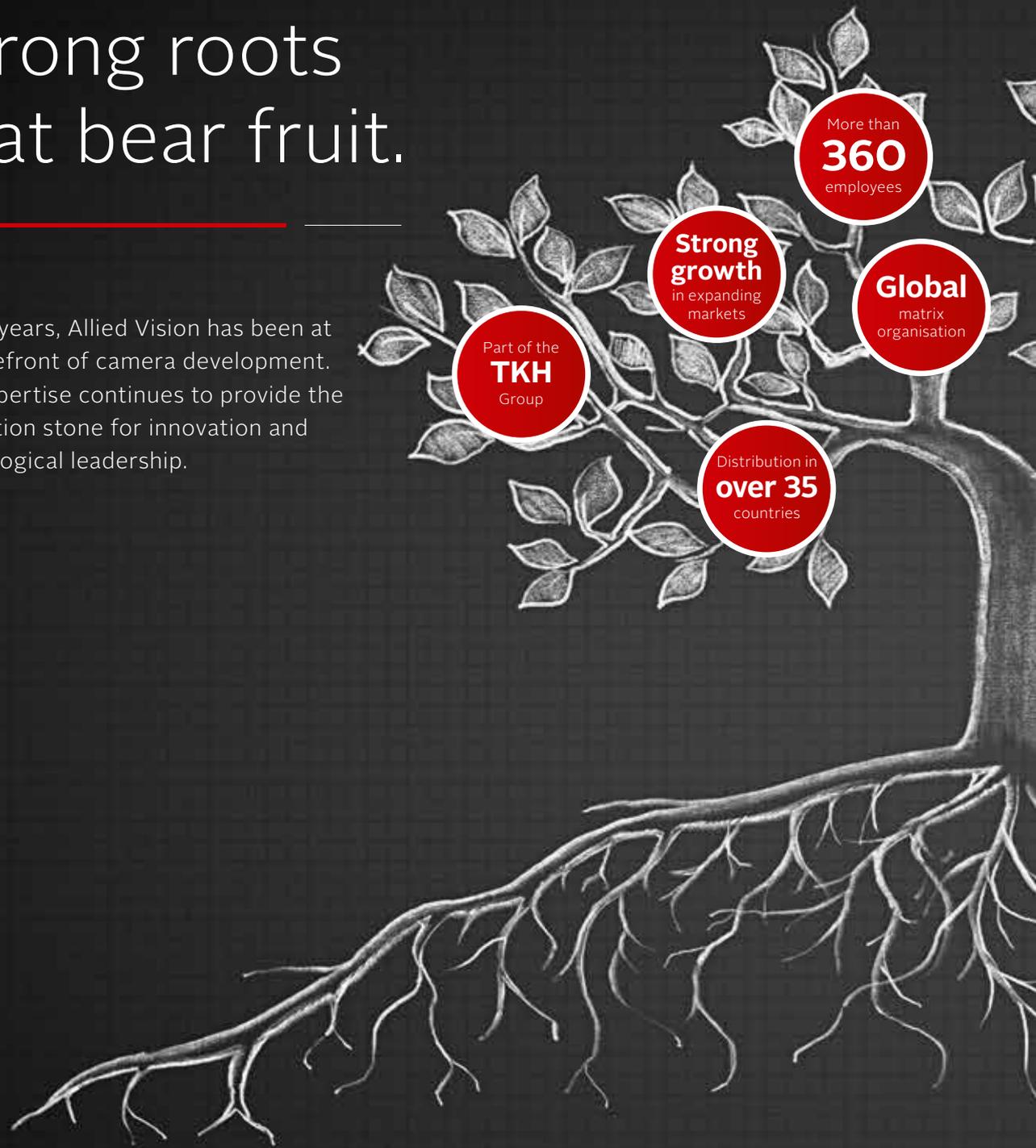




// HISTORY & HERITAGE

Strong roots that bear fruit.

For 30 years, Allied Vision has been at the forefront of camera development. This expertise continues to provide the foundation stone for innovation and technological leadership.



Part of the
TKH
Group

Strong growth
in expanding
markets

More than
360
employees

Global
matrix
organisation

Distribution in
over 35
countries

1989

Foundation of M. Stickselel CCD-Kameratechnik GmbH

1996

First OEM camera development and establishment of the first production facility in Stadtroda, Germany

2001

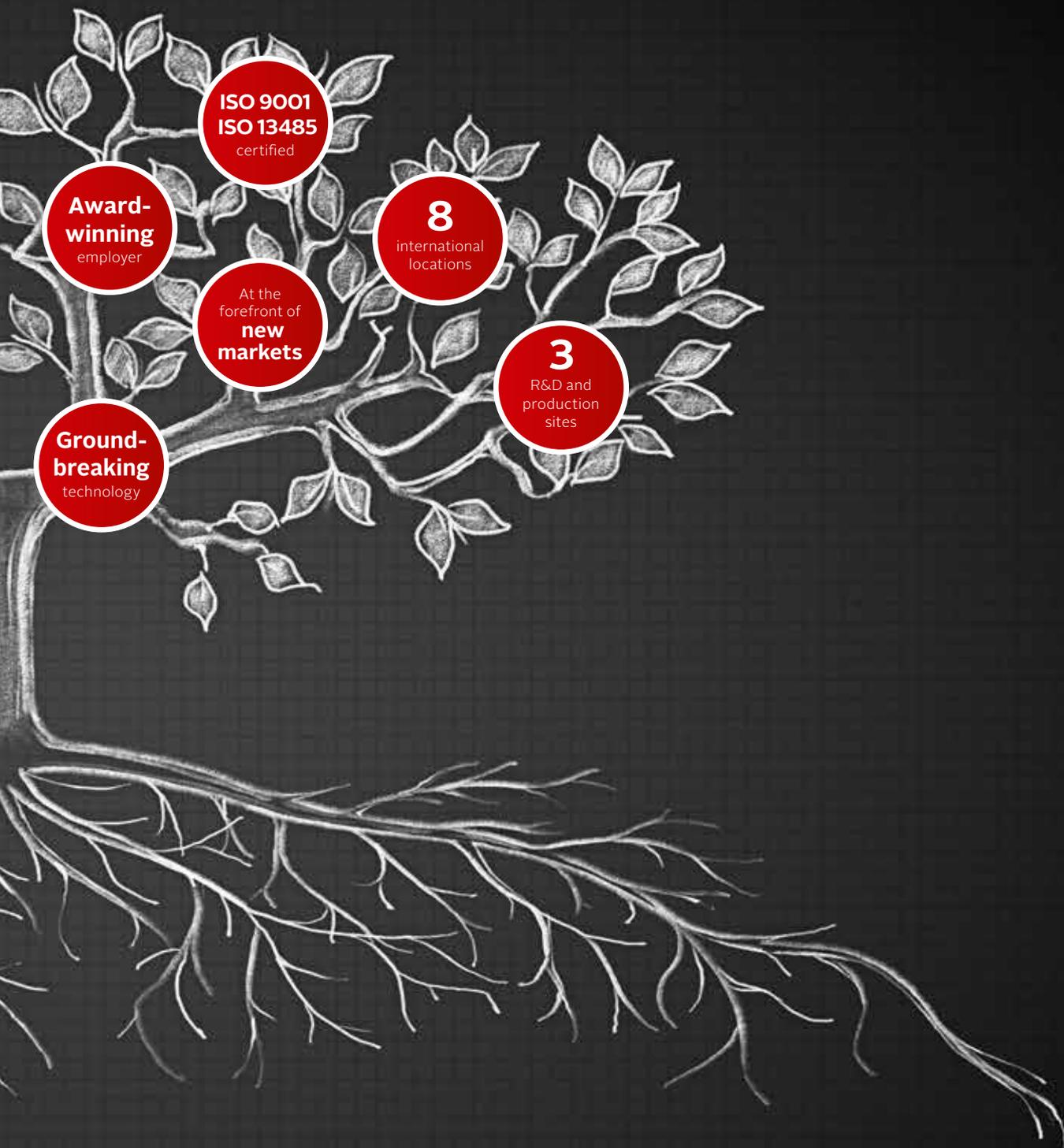
Name change to Allied Vision Technologies; opening of our R&D center in Ahrensburg, Germany

2003

Marlin – first camera range completely developed by Allied Vision; revolutionizing the migration from analog to digital interfaces.

2006

Incorporation of Allied Vision Technologies, Inc. in Newburyport, MA (USA)



2008

Acquisition of GigE vision pioneer Prosilica, Inc. in Burnaby, BC (Canada)

2010

Opening of Allied Vision Technologies Asia Pte. Ltd. in Singapore

2011

Acquisition of VDS Vosskühler GmbH in Osnabrück, Germany; entry into the infrared image processing market

2012

Incorporation of Allied Vision Technologies (Shanghai) Co., Ltd. in Shanghai, China

2017

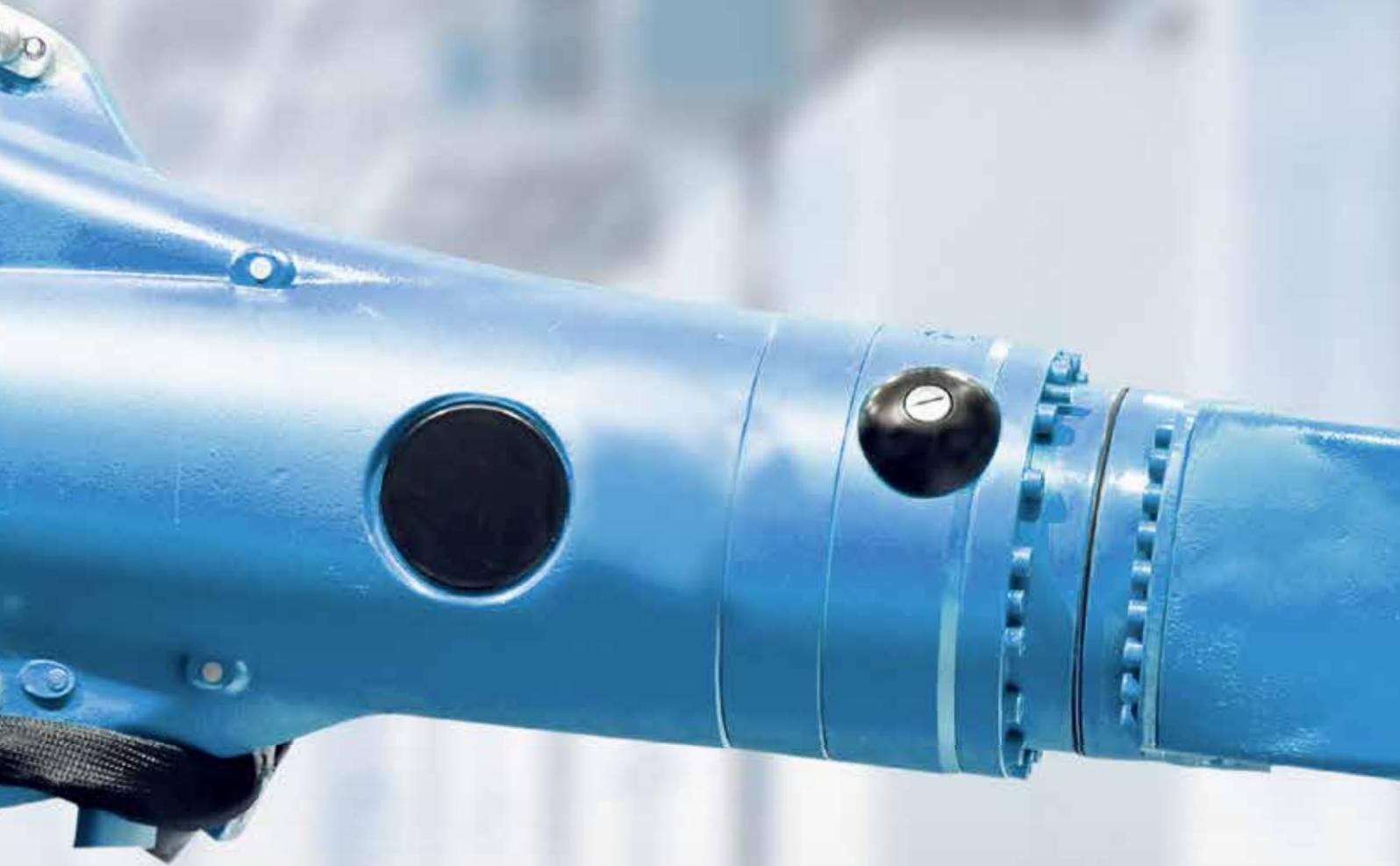
Unveiling of the Alvim Series at the Embedded Vision Summit

2018

Opening of Silicon Valley office in Cupertino, CA (USA)

// MACHINE VISION

Equipping machines to do more.

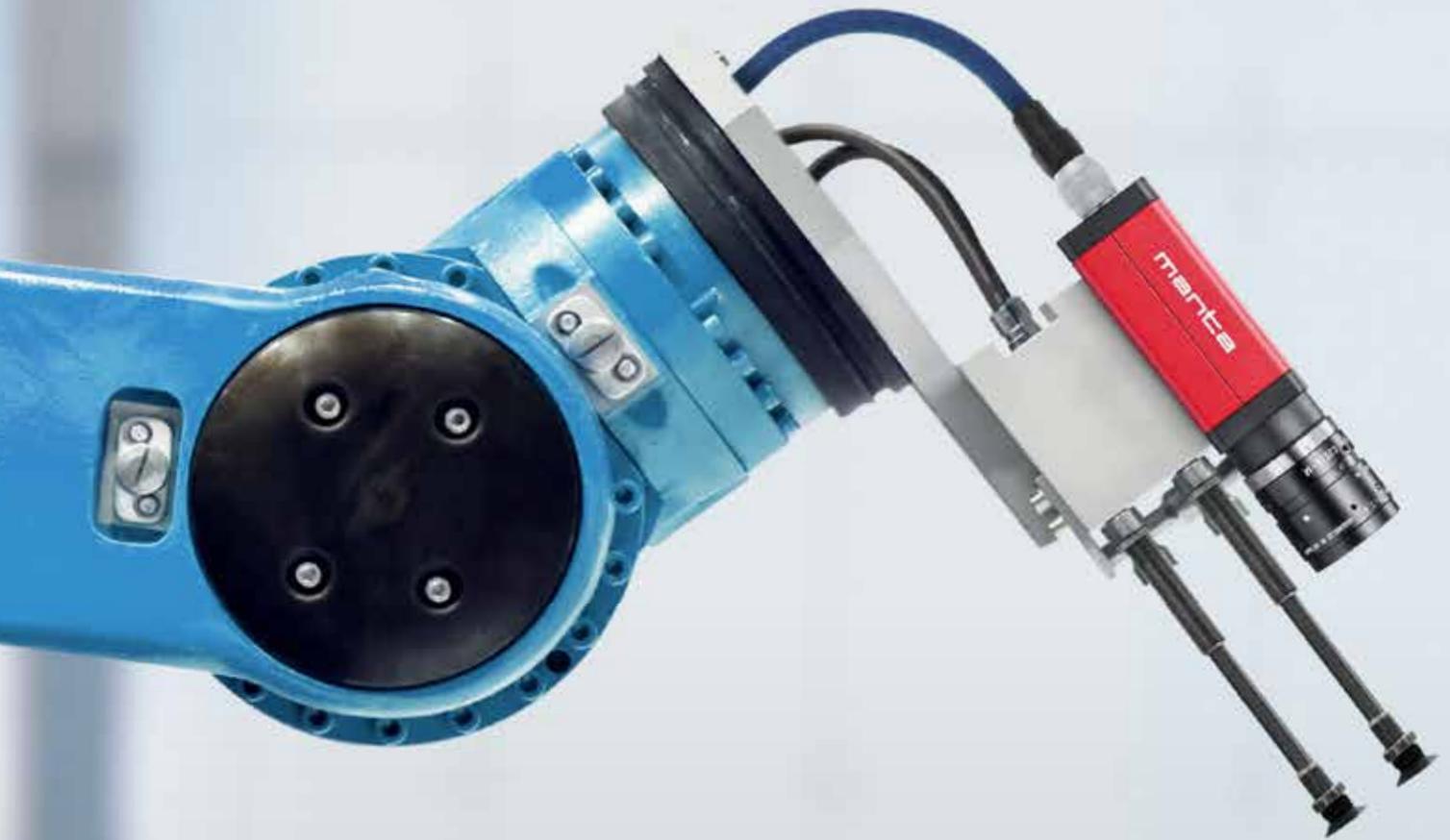


To explore the full range of machine vision possibilities, visit:
www.alliedvision.com/Applications

Whether it is picking, placing, sorting, or inspecting, today's vision technology enables robots and machine tools to complete a vast array of manufacturing and production line processes without human intervention. Equipping machines with vision technology also guarantees higher precision and improved error-free productivity.

Aside from manufacturing, machine vision solutions are now available for

a wide range of applications across many industries. As a leading supplier of machine vision solutions, we have been providing adaptable cost-effective solutions for vision applications for 30 years. Our extensive range includes everything from ultra-compact affordable cameras to high-performance models packed with advanced features, providing outstanding durability in challenging situations.



Industrial
Inspection



Science &
Research



Medical
Imaging



ITS &
Traffic



Outdoor
Imaging



Sports &
Entertainment

// EMBEDDED VISION

Pushing back the boundaries of size and performance.

Technical innovation means that powerful, energy-efficient processors can now run image processing applications on small devices without the need for a PC. Robots, drones, vending machines, vehicles, and industrial processes – the possible applications for these miniature, low-cost vision systems that can be embedded everywhere are endless. At Allied Vision, we develop innovative cameras for embedded vision systems that combine maximum performance with an ultracompact lightweight package.



powered by

ALVIUM[®]
TECHNOLOGY



Alvium Technology is Allied Vision's unique system-on-chip (SoC). It enables us to pack sophisticated image preprocessing features into a miniaturized, low-power, and low-cost processor. The result? Embedded camera systems that do way more than previously thought possible.



// MODULAR & CUSTOMIZABLE

Versatile cameras for every application.

Given the wide variety of application challenges our customers face, we have always endeavored to offer a flexible and variable camera portfolio. This is why we design our cameras to be modular. The result is a diversity of sensors, lens mounts, filters, board-level versions, and many more options that maximize flexibility.

This allows us to provide our customers with exactly what they need to maximize performance and get the best out of their application – something that is backed by decades of proven expertise and our trusted advisor status.



FIG. 1.

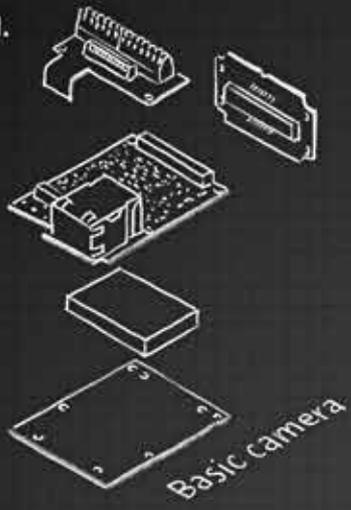


FIG. 2.

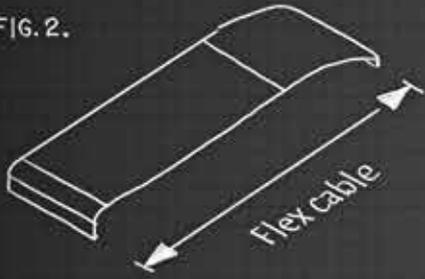


FIG. 3.



In addition to our broad camera portfolio, we also offer a versatile modular concept. To find out more, visit: www.alliedvision.com/ModularConcept

// SERVICE & SUPPORT

At your side wherever you are.

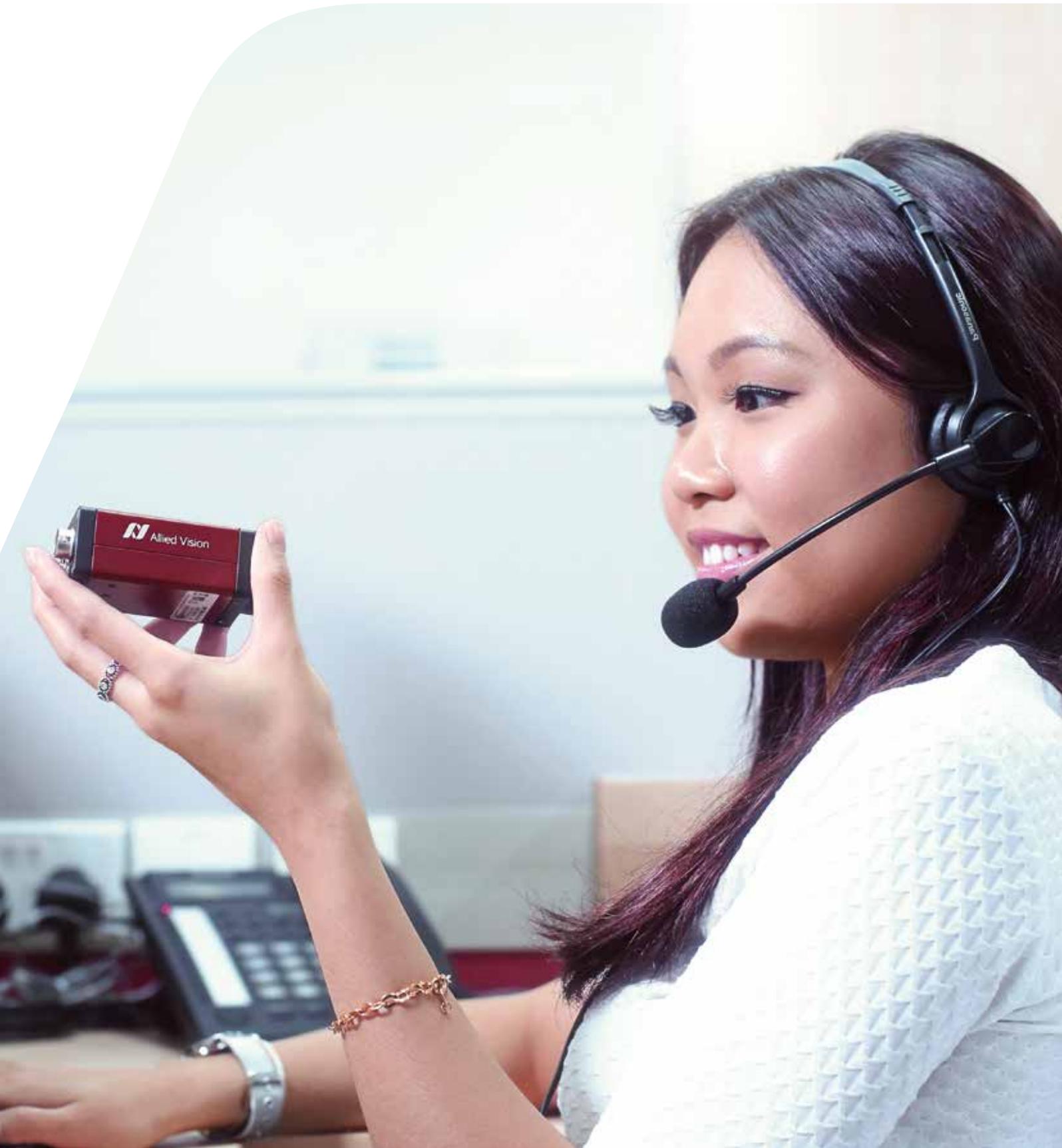
We know that identifying the right camera package for your application can be challenging. That is why our experts are always available to help you identify the most efficient and cost-effective solutions.

With offices in Europe, North America, Singapore, and China, plus a network of selected distribution partners around the world, we are there for you regardless of your location or time zone.



To find the right contact for your needs or location, please visit our website:
www.alliedvision.com/Contact





// CUSTOMER TESTIMONIALS

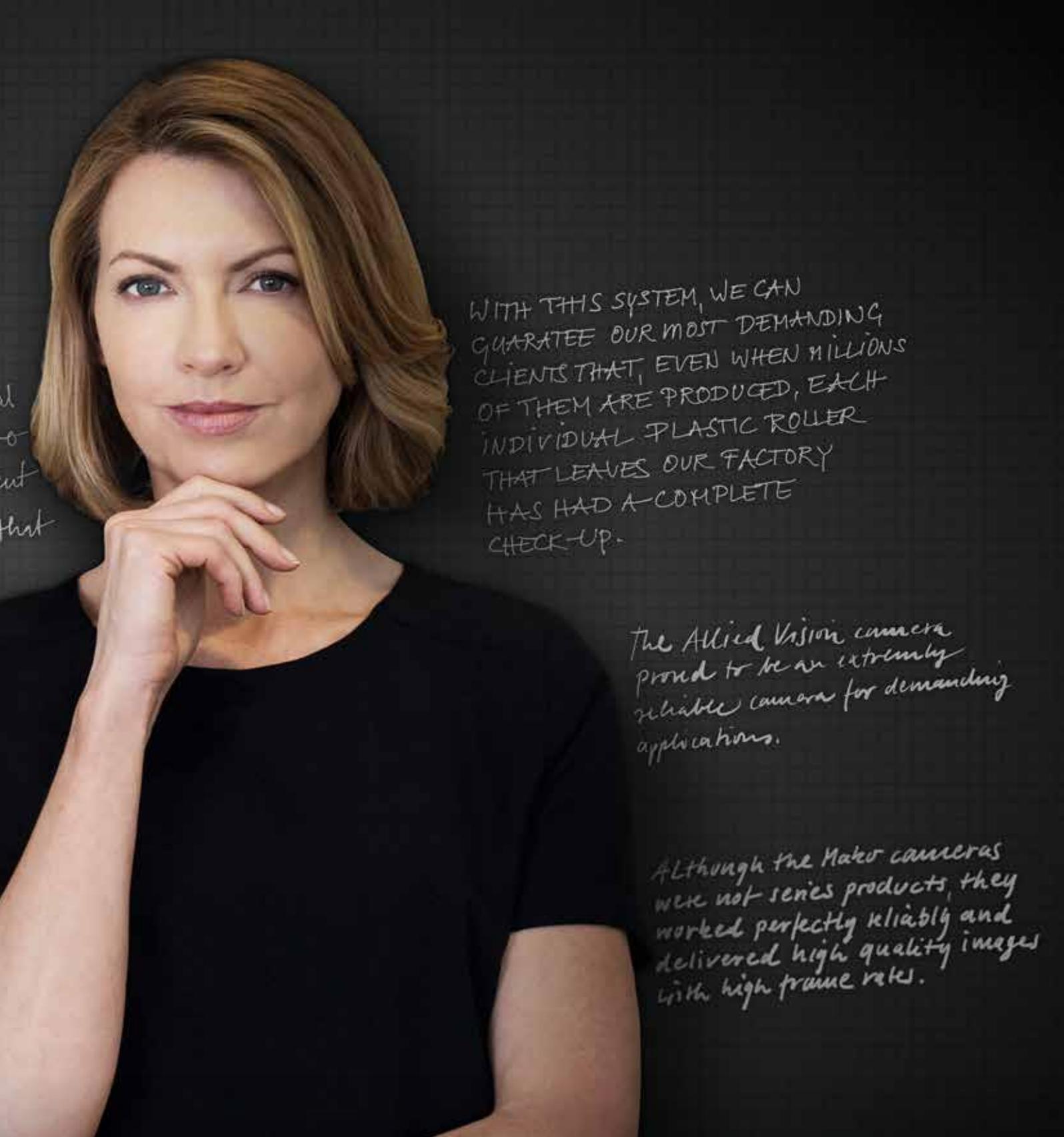
Resounding recommendations.

THANKS TO ITS 100% QUALITY INSPECTION USING AVT CAMERAS, WE CONTRIBUTE TO PRODUCE RELIABLE SAFETY EQUIPMENT THAT SAVES LIVES ON THE ROAD EVERY DAY.

This was an explanatory effort to see how we could use the cameras to achieve the goal. A person blind from birth was able to drive a vehicle outfitted with sensor technology to give him an understanding of the environment generated by a combination of Allied Vision cameras.

Many companies can offer a functioning digital camera; but you would have to search long and hard for more competent and helpful technical support than that of Allied Vision.

Allied Vision is the sole camera manufacturer that not only has technologies and expertise in the visible spectrum, but also in the infrared and thermal ranges. They are the ideal partner for us.



WITH THIS SYSTEM, WE CAN
GUARANTEE OUR MOST DEMANDING
CLIENTS THAT, EVEN WHEN MILLIONS
OF THEM ARE PRODUCED, EACH
INDIVIDUAL PLASTIC ROLLER
THAT LEAVES OUR FACTORY
HAS HAD A COMPLETE
CHECK-UP.

The Allied Vision camera
proved to be an extremely
reliable camera for demanding
applications.

Although the Maker cameras
were not series products, they
worked perfectly reliably and
delivered high quality images
with high frame rates.

Read the full case studies and many more on various applications:
www.alliedvision.com/Case-studies

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