

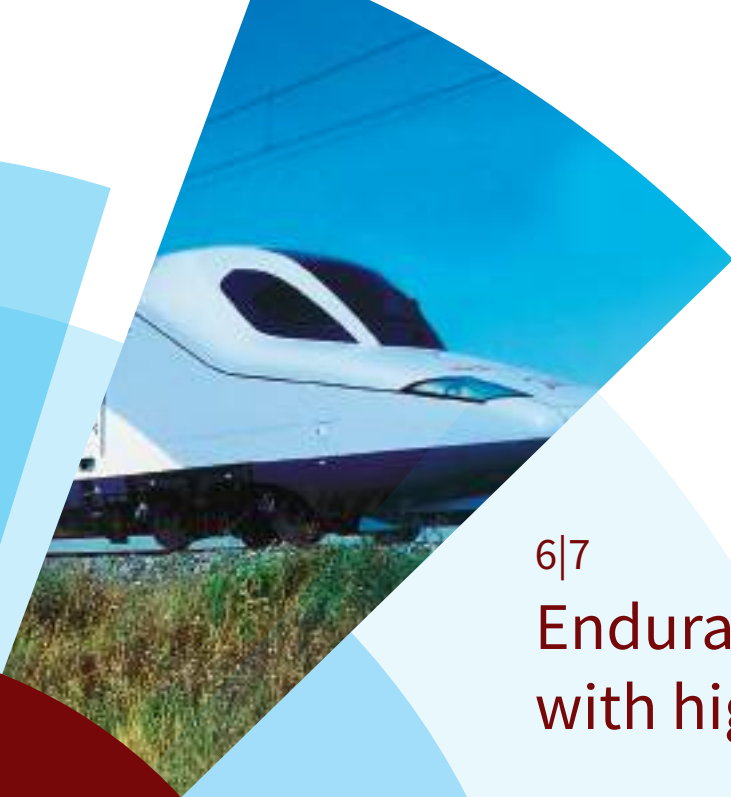
CAMERA SYSTEMS OF VISION

Mobile video technology – development, design,
prototype manufacturing

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Camera systems
of vision



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Endurance tests
with high complexity



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Our all-round
carefree package



Camera systems of Vision

Company history at a glance

07/1999

Foundation of the company in Rathewalde/Saxon Switzerland

2000

First delivery of camera systems for rail vehicles

09/2001

Construction and commissioning of a new company building in Pirna near Dresden

09/2007

Production area extension by 50 %

03/2018

Further production area extension

Developing and producing highly specialised camera systems is our expertise and passion. We have been dedicated to this task since our enterprise "KST GmbH – Kamera & System Technik" was founded in 1999. Customers and clients all over the world know and value our innovative video camera solutions. Our products prove their worth under extreme conditions in street, rail and special vehicle applications. We offer custom and special-purpose solutions for industry and medical engineering.

Our products and services are based on sophisticated, cutting-edge technology that is constantly improved through incorporating scientific findings and innovated ideas. The high level of vertical production integration of our machines and plants permits the manufacturing of individual devices as well as the production of large lots. Be it automation and traffic engineering, the automotive and rail vehicle industry or aviation and aerospace – we come up with the perfect solution for every client.

Our areas of expertise

Mobile camera-monitor systems

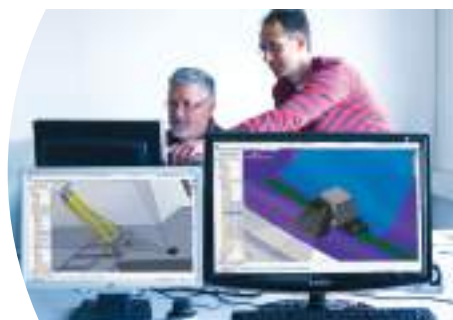
OEM development, prototype manufacturing and production in opto mechanics and precision apparatus engineering

Services

Research and Development



KST GmbH is certified acc. to ISO/TS 22163:2017
IRIS – International Railway Industry Standard.



Engineering



CNC Milling



CNC Milling



Automotive Industry



Medical Engineering



Aerospace Engineering



Automation Engineering





Endurance tests with high complexity



KST GmbH specializes in mobile video technology for rail vehicles of all kinds. We design, produce and deliver electronic rear-view mirror solutions as well as cameras for pantograph, coupler and track monitoring. Depending on the area of use, they are engineered as analog, ethernet-based or infrared cameras, and their design is adapted to the specific application and vehicle. Their most prominent features are high, driver-friendly image quality, shock-resistant and dirt-repellent front glass with special coating, temperature-resistant electronics and plasma-coated, metallized plastic housings. This enables the devices to perform reliably – on tram, local and long-distance trains, locomotives, and high-speed

vehicles – at locations ranging from the North Cape to the desert. Cameras are often parts of safety and security-related vehicle equipment. That's why our devices are tested and certified by independent laboratories. Our internal quality assurance processes guarantee that we only deliver devices that are successfully tested for 100% functionality and impermeability. Video cameras for specific environments are also in demand for other fields of application such as on special-purpose vehicles or in industrial and bioprocess engineering. We design and produce suitable devices to cover those areas as well.



Tram



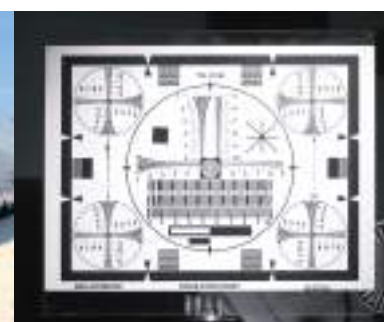
Metro Train



Special Purpose Vehicle



High Speed Train



Calibration Chart



Test Environment



Adjustment



Assembling

Our all-round care-free package

Challenging tasks and non-standard requests are our every-day business when it comes to development, design and production of precision optical assemblies and components. This also applies to products that we manufacture as sample, as prototype and in serial production. We are partnering with you for turning your idea into a ready-to-use product. In addition, our services range from cutting-edge special coatings such as HYDRO-CLEAN to industry-standard

3D-printing and CNC-milling jobs. We are delighted to share our know-how with you. Reach out to us for all questions concerning the application of imaging systems in industry, automotive engineering as well as in security and safety technology. Our specialists are also at your disposal as competent partners in the areas of mechanics, optics and lighting for industrial image processing.



100% Quality Inspection



Prototype Manufacturing



Airborne Camera Solution



HYDRO-CLEAN Coating



CNC Milling

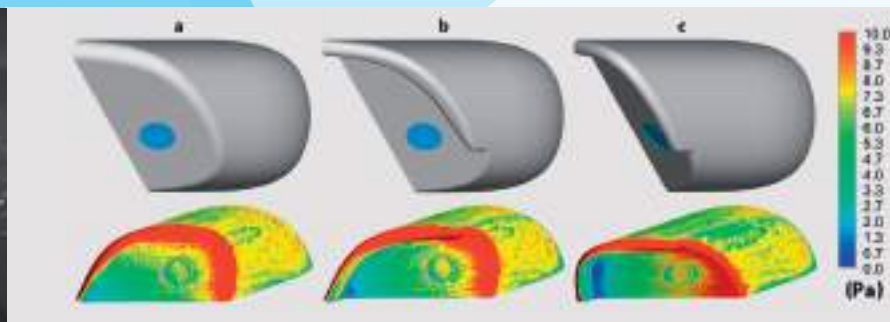
Patentable research

Being close to Dresden as a centre of knowledge and research is a location advantage that our own research and development work benefits from. We are working together closely with renowned research institutions through scientific projects and doctoral studies. These include the Technical University of Dresden, the Dresden University of Applied Sciences, several Fraunhofer-Institutes and the German Aerospace Center. The results of this research and development work are directly incorporated in the products of KST GmbH. A recent success story is a joint project with the Technical University of Dresden, resulting into a European patent for aerodynamic-optimized cameras.

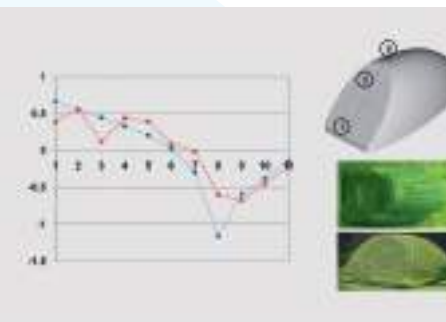
From the start, we have maintained our connection to universities and other educational establishments by means of offering opportunities for internships in our company. For many years we provide subjects for dissertations with practical relevance. In order to ensure continuity of qualified members of staff for the KST GmbH team, we train our own apprentices as industrial mechanics.



bird strike tests



flow optimization



comparison experiment - flow simulation



European patent specification for exterior camera housings in traffic engineering applications



Technical cleanliness



Technical cleanliness



Precision Engineering



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