



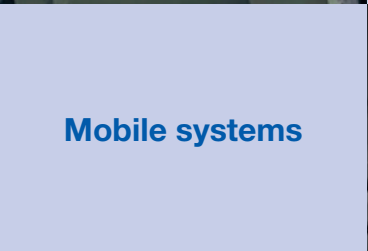
Automotive



Welding



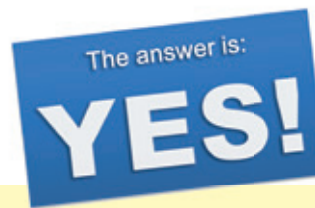
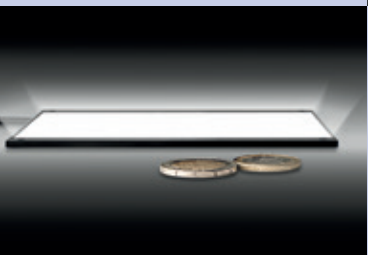
Optronic systems



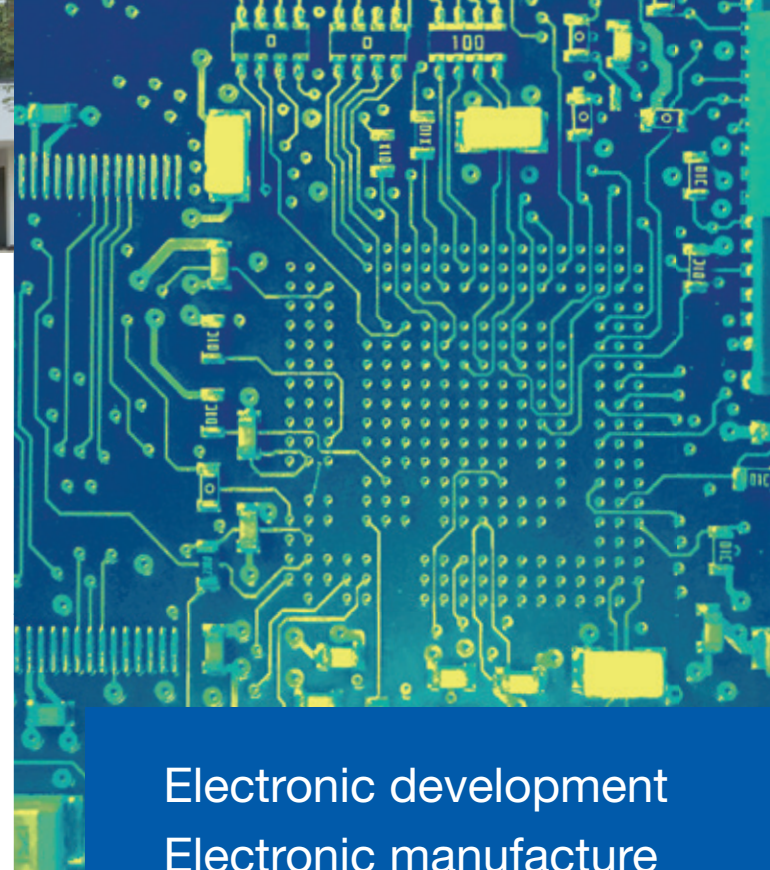
Mobile systems



Light technology



- ✓ Are there customized electronics?
- ✓ Is it profitable even for middle quantities?
- ✓ Are professionals available when we need it?
- ✓ Is support on demand available?
- ✓ Does hema think about the success of customers?
- ✓ Has hema their own ideas and concepts?
- ✓ Can we take the experienced staff to the follow-up project?
- ✓ Is hema available starting from the idea till implementation and service demand?
- ✓ Does clients receive technology custom-made?
- ✓ Is a long product life cycle ensured?
- ✓ Does hema develop according customers style?
- ✓ Is product maintenance and obsolescence management available?



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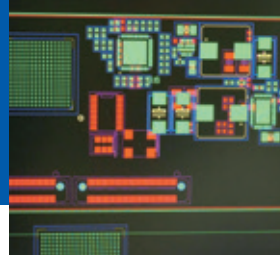
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Electronic Development



Hardware & Software



Electronic Manufacturing



System design and project engineering

We support you in all areas of system development. These include system design, requirement management, hardware design, embedded software design, certification, qualification, implementation and commissioning. On request, we offer individual service packages.

Your benefits:

- Expansion of your know-how
- Efficient implementation of your product ideas
- Enhancement of your capacities
- Time to market
- Low system costs

We are your competent partner to develop your FPGA- and DSP-based system solutions.

hema development expertise

We bring 20 years of experience with CMOS image sensors and more than 40 years of experience in microelectronics to the entire development process. Our engineers assist you during the design process, the development of image processing algorithms, and during sensor integration.

FPGA and DSP-Design

Our focus is on real-time image processing and image processing with FPGAs from various manufacturers such as Xilinx and Lattice, as well as digital signal processors and ARM processors. Applications include, for example, security and automation.

Video + signal processing

We provide video pipelines and video compression algorithms for monochrome and HDR color sensors. You get solutions for imaging, image enhancement and analysis for sensors by ON, Sony, ST sensors, suitable for your project.

Embedded Software

hema offers integration and design of advanced IP cores and the development of variations for specific customer needs.

We develop custom applications, including all required functionality and matching user interfaces. Our goal is to create the right system for your application.



We are DIN ISO 9001:2015 certified

Prototyping

The lifecycle of every new product begins with prototypes. We closely collaborate with customers to plan the development of models, based on their engineering blueprints and goals. This includes both the production of single units and the quality of mass production. Additionally we operate certifications and qualifications following customer requirements.

High mix, low volume

Production volume for our customers typically between 1 and 1000 units per year. We produce according to IEC-A-610 class to fulfill the quality requirements of our customers. Our production facilities allow for assembly and soldering of any type of design. AOI, functional tests and visual checks ensure the functionality and reliability of assembled units.

Assembly + test

We assemble boards, systems and devices and execute functional tests to ensure highest quality.

Logistics

Frame contracts with special conditions, stock keeping or managing obsolescence – together with you, we will work on your logistic concept to fulfill your demands best.

Your product is in good hands

Constant improvement of our services and processes is very important to us. We are long-term partner to our customers for product maintenance and further development of products as well as customized services.