

BECOM

it's possible.

A photograph of two men in a meeting. The man on the left, wearing a light blue button-down shirt and dark jeans, is sitting on a blue sofa and holding a large, blue, circular ring-like object. The man on the right, wearing a dark blue polo shirt and khaki pants, is sitting on the same sofa and holding a tablet computer. They are both smiling and looking at each other. In the background, there is a whiteboard with some faint diagrams. On a table in front of them, there are two glasses of water and a water pitcher.

**RESEARCH
AND DEVELOPMENT**

RESEARCH & DEVELOPMENT

- System development
- Hardware development
- Software development
- Mechanical development
- PCB design
- Process development
- Development of test methods
- Embedded systems
- Time-of-Flight technology

VALIDATION

- Accredited EMC laboratory
- Environmental testing
- Electrical testing
- Thermography measurements
- Authorized calibration body for ISO/IEC 1702

PRODUCTION

- SMT production
- THT production
- Robotics
- Coating
- Potting
- LED centering
- Assembling/Box build
- Traceability
- Digitalization

BACKSTAGE SERVICES

- Project management
- Product lifecycle
- New product introduction/NPI
- Obsolescence management
- Product changes
- Risk management
- Logistics
- After sales services
- Feasibility evaluation





GOOD IDEAS, PERFECTLY IMPLEMENTED

BECOM supports its clients from the initial idea and first stage of development right up to the production-ready product and beyond. Process development and the associated testing ensures smooth workflows and success throughout the entire added value chain.

Teams of experts develop hardware, software and mechanics for clients in the industrial electronics, automotive and medical industries. The System Engineering, Base Development and Test Development departments at BECOM work closely together and jointly create efficient, world-class solutions and innovative technologies.

THE MODEL FOR SUCCESS

The V-model and Automotive Spice provide the foundation for BECOM development projects. BECOM meets the most demanding standards with detailed documentation, efficient procedures and in-house testing with component, integration and system tests right up to the final approval test.

INNOVATIVE SOLUTIONS

Circuit boards for the high-performance LED sector developed by BECOM replace the hitherto commonplace IMS system. The new design is not only more robust and long-lasting, but also offers significantly better value for our clients.

PREPARED FOR THE FUTURE

Forward-looking investments in people, machines and facilities provide you with a decisive edge from traceability to automation solutions.

INNOVATION 4.0

BECOM continuously invests in the future through its outstanding R&D quota. World-class developments in ToF cameras and new solutions in the LED sector allow BECOM to demonstrate a capacity for innovation of the highest level.



THINK HARDER, DEVELOP FURTHER

BECOM can offer you almost endless development opportunities, from system and function development to process development, developments in hardware, software and mechanics right up to the development of testing and inspection methods.

SOLUTIONS FOR EVERY CHALLENGE

LED lighting electronics

- Ballast electronics for BMW – Tier 1 partner
- Driver families for street lights

Embedded systems

- Seat massage systems
- Immobilisers
- VPN routers
- Driver electronics for LED applications

Power electronics

- Generic power supply platforms
- 120A DC motor controls

Medical technology

- Non-invasive medical electronics
- Transcranial brain stimulators

3D camera systems

- Time-of-Flight (ToF) technology
- High-speed digital design and processing
- FPGA
- Optics

OUR QUALITY MEETS THE HIGHEST STANDARDS

- ISO 9001
- IATF 16949
- ISO 13485
- SPICE (Automotive Systems)
- ISO 14001

TESTING

- Environmental assessments
- Endurance assessments
- Module tests
- Component tests
- Integration tests
- System tests

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