

Bosch Engineering GmbH

Robert-Bosch-Allee 1
74232 Abstatt
Germany

www.bosch-engineering.com

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Bosch Engineering Tailor-made engineering services for unique products



Only we can offer you all this: Personal attention coupled with large-series experience

Bosch Engineering GmbH, a 100% subsidiary of Robert Bosch GmbH, has developed individual solutions for electronics systems since 1999. Our close links with Bosch allows us access to their entire portfolio and enables you to use tested-and-proven components – independent of the actual production numbers needed. You get a system precisely tailored to your needs. Our aim is to accompany your project, giving you our personal attention and advice from the first study to the start of production.

Even outside the automobile sector our innovative engineering services create optimum customer benefits. What began with luxury vehicles, studies and special model versions of series-produced vehicles has been applied by us to related applications such as commercial vehicles, construction and agricultural machineries, railway vehicles, robots and unmanned vehicles, industrial and marine applications as well as powersports. You will find information about our vast portfolio of services in this folder.

Our range of services:
**You should not settle
 for less**



Our range of services begins with the development of systems, functions and software; continues with development support using testing services and consulting; through to sales and distribution of sensors; and culminates in complete systems for motorsports.

Powertrain

Our services range from determining the design studies of the system through to the release of control units for series production at Bosch facilities. We offer tailor-made engineering services for a wide variety of applications along the entire chain of development for electronics systems. Whether this involves classic internal-combustion engines, alternative fuels, hybrids or electric vehicles, we develop individual solutions for your modern drive technologies, this is also applicable for the off-highway market as well as stationary applications. In addition we support you in approving functions and testing systems right up to certification.

Safety and comfort

Active and passive safety are at the core of the systems applied by us and optimized for special applications. Starting with ABS and ESP®, our services cover the entire range of brakes, steering and chassis with individual solutions in the field of driving dynamics. The development of functions for infotainment, vehicle navigation and driver assistance systems based on radar and ultrasound are included in our safety and comfort portfolio.

Consulting, project management and quality management

From the original idea through the start of production, with our specialists we support process optimization, project and quality management including IT aspects. In addition to services focused on functional safety, we offer FMEAs, process FMEAs as well as support in model-based process improvement.

Testing services

Our test center equipped with engine and roller-type chassis dynamometers enables all complex measurements required for the development of vehicle systems. We offer a comprehensive testing concept, vehicle preparation and the carrying out of tests in addition to the interpretation of the results.

Sensor Systems

We cover the field of sensor systems with extensive consulting and studies as well as customer-specific product adaptations right up to series production. We have access to the complete range of Bosch sensors and experience. The great variety of sensor technologies which we can offer will fulfill practically every requirement.

Electrical and electronic integration

We develop solutions for the networking of electrical and electronic systems. We offer the design and optimization of the system architectures as well as the layout of on-board communication networks right down to support in systems integration.

Motorsports

Professional motorsports teams up to Formula 1 utilize our electronic equipment and comprehensive support. The development of complete engine-control systems and the monitoring of engine and chassis are just as much part of our program as on-site attention and support during a race. Innovations from Bosch in automobile series production such as gasoline direct injection and Common Rail diesel systems have been adapted into motor racing by us.