



Customized Control Units

User Specific Solutions for Prototyping and Production

SCHAEFFLER
ENGINEERING

Solutions for prototyping & production for tomorrow – today

Today's solutions for tomorrows prototyping and series production

As part of the Schaeffler Group and development partner, our extensive system knowledge on vehicle transmissions with common combustion engine as well as with hybrid- and electromobility solutions, helps customers to move the world – long lasting, progressively, and innovative.

Take advantage of the mechatronic expertise of our development team, to achieve the ideal solution for your project, through the best allocation of hard- and software, functionally and economically, and convince your customers with functionality and quality.

Electronics – Our customized development

From the circuit diagram and single components up to the production-ready control unit – as a supplier of engine and transmission control units in small numbers and developer of prototyping control units we know what's important in the electronic development. Our business activities include:

- Customer support right from the start – from project definition up to series support incl. product support
- Responsibility of single project tasks such as layout design, cooling concepts or supply of required documentation

Prototyping hardware – Our customized development tools

With the **PROtroniC LINE** we can offer development control units which build a bridge between prototyping and series development, bringing the development into the fast lane. The advantages of our prototyping-control units:

- Production-orientated hardware with prototyping suitable processing power
- “All on Board”-concept with integrated signal conditioning and final output stage
- Applicable in the laboratory, on the test-bench, and in the vehicle
- Easy handling thanks to continuous tool-chain from the idea up to production



Customer reference: On the fast lane – Control unit for a sports car

Mobility for tomorrow at its best – 1st tier from order quantities of one

Control unit development – Series production quality for small numbers

The perfect interaction of hard- and software as well as quality are not a question of quantity. For our customer specific control unit development we have adapted methods and tools from the large scale production. The processes in our development departments fulfil the CMMI Level 3 requirements on the system level. Since 10 years we have accompanied our customers and have contributed to the ongoing development of hard- and software, helping to find solutions to set standard for our customers.

Software development – High standards for increasing complexity

Software belongs to the innovation driver in the automotive area. The suitable software components are important for our customers, when optimizing the combustion engine (e.g. combustion process) or the electrification of the drive train (e.g. hybrid strategy).

We offer our customers a wide spectrum of services for example:

- functional software development (high-level), for instance engine control
- engine and transmission tuning
- application on emission and consumption
- Hardware related software development (low-level)

Support – Quality increase due to full-service solutions

Beyond an extensive Product Life Cycle Management we offer our customers support from the application of the first prototype up to production support. As an established partner in the automotive and commercial vehicle industry, we put great emphasis on our support teams with experienced developers and specialists and offer our customers a “Carefree Package” with provision for discontinued components, stocking of components and support during release planning.



Customer Reference: A success for more than 10 years – Control unit for the heavy-duty sector

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