Engineering Services
HELPING CUSTOMERS SUCCEED WITH DEVELOPMENT

CrossControl´s **engineering services** are provided by a highly experienced engineering team. We are a dedicated partner that helps OEMs to develop industrial HMI and control solutions and adapt to the rapid developments in hardware and software technology. We can provide the necessary expertise that will complement our customer's in-house engineering teams in key disciplines and shorten time-to-market, while the customer can focus on their area of expertise and lead product innovation for market differentiation.

The emerging trends in off-highway and industrial vehicle control systems and the desire for efficiency and control has motivated the increasing software functionality and the need for adapting to new technologies. Increased system complexity, demands for enhanced HMI and tougher government and industry regulations makes it even harder for machines builders to meet today's requirements.

CrossControl engineering services have the capability to encompass all aspects of machine control and software system development. We deploy these services as required by each project with a structured methodology for project execution, from feasibility study to industrialization.

The engineering services are always tailored to our customer's needs, from project startup and handover assistance, to a long term partner affiliation arrangement. The staffing solution can be implemented with co-resourcing project teams with engineers from both the customer and CrossControl.

With more than 25 years' experience in developing control and information systems for leading OEMs in the industrial vehicle markets, we support our customers in succeeding with their projects.

crosscontrol
making machines smart, safe and productive

KEY SERVICES THAT CAN MAKE A BIG DIFFERENCE

- **Solution provider**
  CrossControl offers a complete solution with advanced hardware, robust software platform and customized applications and interfaces created by our engineering services.
- **Hardware knowledge**
  CrossControl staff have knowledge about CrossControl hardware that leverage us as a supplier, no other supplier has the same deep understanding and knowledge of the best practices in how to design a system architecture and its software based on CrossControl hardware.
- **Time-to-market**
  By efficiently supporting our customer with development, CrossControl contributes to secure development success and shorten the customers application development and time to serial production.
- **Adapting to the market**
  By combining and creating trends within many segments and working alongside customers to deeply understand their needs CrossControl provides aid in designing cutting-edge products.
- **Long-term partner**
  Ability to take responsibility of development, maintenance and upgrades for new platforms.
- **Trusted advisor**
  25 years of experience providing engineering services to leading OEMs and System suppliers.

ENGINEERING SERVICE CAPABILITIES AND APPLICATION EXPERIENCE

CrossControl offers a wide range of Engineering Services to customers worldwide. We have team of over 70 software engineers with experience from a wide range of applications and with different types of equipment. Our long term growth is solely dependent on the success of our customers' projects. Our engineering teams respond to this with foundational skills and a broad range of reference projects.

- Achieving a modern user experience including instrumentation and Graphical User Interfaces
- Work function/process control.
- Video systems.
- Diagnostics, data logging, machine system health monitoring.
- GPS/Mapping.
- Wireless, mobile connectivity and IoT cloud connectivity.
- Functional safety
- Cyber security

With our experience, our customers can reach objectives faster and with less resource spend. When deployed in a customer project our application engineers bring:

- Deep knowledge in software engineering.
- Long experience in the vehicle control domain.
- Understanding of end user challenges including within the context of industrial vehicles.
- Specialist knowledge in designing application on CrossControl products.
- Global reach, with resources in Europe, USA and China.

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