

Press release

Synapticon offers development services

On-Demand Cyber-Physical Systems

Gruibingen (Germany), 7 August 2013 – Synapticon GmbH introduces its engineering business unit. Developing companies are being offered experiences that Synapticon has created through its new development platform and the development of special applications and OEM products in the cyber-physical systems sector.

The service covers everything linked to the development of complex electromechanical products: hardware from mechanical structures to the circuit boards, software from low-level control loops to web-based user interfaces. The Synapticon team is made up of specialists from the fields of computer and software architecture, distributed control and data acquisition systems, mechatronics, lightweight and kinematics design.

“We gained a great deal of practical experience from the development of our DYNARC platform for model-based configuration and programming of distributed control systems and their usage in a wide variety of fields of application. It was only natural to share this new-found expertise with our developers directly. This not only involves advising customers on how to use our products, but also taking on the development of customer-specific solutions at a fixed price,” explains Nikolai Ensslen, Managing Director of Synapticon GmbH.

Alongside their own development platform, Synapticon uses powerful commercial software as well as tools, operating systems, and frameworks based on open-source. The list of reference projects covers digital and analogue electronics and software as well as mechatronics and mechanical designs in the fields of robotics, automotive, aviation and aerospace technology, medical engineering and industrial applications. Synapticon counts a number of national and international market and industry leaders among their customers, from California to South Korea.

Images available

The images below can be downloaded from the Internet in printer-friendly format:

<http://www.htcm.de/kk/synapticon>



Image source: Synapticon

Synapticon has the ability to develop complete electromechanical systems. This can include for example the mechanics, electronics and software for a robotic arm with six degrees of freedom, gripper and numerous sensors.

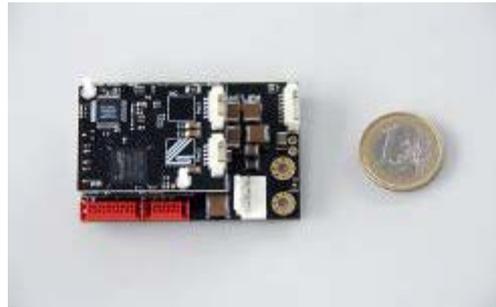


Image source: Synapticon

Customer-specific electronics and software solutions can be developed very efficiently based on the standard tool box from Synapticon. The time to market of individual systems is getting shorter in relation to in-house developments by up to 60 per cent.

About Synapticon GmbH

Synapticon, established in 2010, is a young and international company based in Gruibingen, Baden-Württemberg, which develops innovative embedded systems to improve the robotics and automation technology of the future. Synapticon's DYNARC Distributed Computing Technology combines modular embedded hardware, model-based software engineering and a complete development environment to facilitate and accelerate the development process for manufacturers of complex products, machinery and facilities. Synapticon also operates as an engineering service provider.

Further information is available at www.synapticon.com.

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