

HSAE

connects your car

#1



Welcome to our first newsletter! In the future we would like to keep you updated about the endeavors of Hangsheng Technology GmbH on a regular basis. Today we will give you a short introduction to the development of the company and its recent achievements. We hope you will enjoy this glimpse into the progress that all of you made possible.

Company Growth

Until 2015 they were the sole representatives of the head quarter in Europe.

In September 2013 Hangsheng Technology GmbH in Berlin started as a sales office with 3 employees.

When Hangsheng Group's strategy became focused on the establishment of a wider representation around the world, Berlin was designated to become a European Research and Development Center. Hangsheng Technology GmbH started on this growth path in January 2016. By now we have built up an ever expanding software team, a fully equipped hardware team and a small testing team. Their main focus is the development of an onboard-connectivity unit that will be introduced in the next article.

To fulfill the expectations of our partners and customers additionally a quality management and logistics system are under development. In this newsletter the VDR project we are conducting with Daimler as well as the logistics partner we are working with on this project will be presented. **Altogether our team has grown to 21 employees by now.** It is our goal to build up an even stronger development power and keep on this path of expansion. We strive for constant improvement of our products and processes and look forward to continue on our way to the future.

Visit of Mr. Yu in December 2013



New office and new employees in May 2017

OCU Platform

First demonstrator software including Hypervisor technology, V2X, AUTOSAR and the wireless interfaces WiFi/Bluetooth and LTE is available. eCall and Telematic services are currently under development as well as cyber security solutions like secure boot, public key infrastructure (PKI) and intrusion detections systems (IDS).

In the beginning of 2016 a small team of engineers at Hangsheng Technology GmbH in Berlin started the development of an on-board connectivity unit platform (OCU). This platform was planned to include all essential technologies for car-connectivity in the future.

At this point our platform includes LTE, V2X (IEEE 802.11p), WiFi/Bluetooth, CAN, BroadR-Reach (automotive Ethernet) and a powerful system on a chip (SoC). To enable new technologies and as a base for products, the OCU platform is continuously under development and improvement. Currently hardware version 1.0B is available. It is extensively used by the developers to implement solutions for our main objectives cyber security, firmware over the air (FOTA), virtualization due to a Hypervisor, AUTOSAR and vehicle-to-vehicle/infrastructure (V2X) communication.

Beside the development, the team also takes over responsibility to improve the development and test environment. The steadily growing team in Berlin develops more and more technologies. It is looking forward to share their capabilities and knowledge within the Hangsheng group.



Mercedes-Benz



Meeting with Daimler
at Würth in March 2017

Daimler VDR Project

As the VDR (Vehicle Data Recorder) device supplier for Daimler AG Germany's latest truck, Hangsheng Technology GmbH has been working very closely with Daimler AG and Hangsheng China for the past 2 years.

The status as of the beginning of May 2017 is that Hangsheng's VDR has passed the Production Part Approval Process (PPAP) of Daimler AG Germany. In the eyes of the automotive industry, this means Hangsheng's VDR is ready for the mass production. In addition, this is a good indication that Hangsheng will meet Daimler AG's Oct-2017 deadline for mass production!

We are thankful to Daimler AG for the great opportunity that they have given us and for the great people working with us. We can really state that we have learned a lot about the professional process thanks to their cooperation. We appreciate them very much, and will continue to focus on the final delivery of the current project.

We will strive to continue improving and satisfying our customers, and as a result hope to contribute our part to the success of Daimler and Hangsheng in the future.

We have designed,
and are committed to
producing and delivering,
a product that fully
satisfies Daimler.

Cooperation with TechniSat

TechniSat

The TechniSat Group develops and produces consumer electronics products as well as information technology products - all in Germany. Since its foundation in 1987 TechniSat group has been among the leading suppliers of satellite reception products as well as of digital technology products in Germany and Europe.

In May 2017 Hangsheng Technology GmbH achieved a milestone by signing a warehousing operation agreement with TechniSat Digital GmbH. In this way our company has established a solid firewall before the final delivery as required by our customer Daimler.

Hangsheng Technology GmbH has chosen TechniSat as our warehousing operation partner, covering repacking, inspection, storage and delivery dispatch activities. TechniSat Digital GmbH is the most matching partner in this process because of their high cooperative willingness, their experience in automotive industrial business, a competitive price and service scope and not least because of their situation in Staßfurt, Sachsen-Anhalt, which is in a convenient distance for meetings and stock deliveries.

Now we are happy to officially announce that TechniSat has become our logistic partner for warehousing operation and also as hub warehouse in Germany, which will be a valuable service for our customers.

The VDR project warehousing operation started in May 2017. We hope that it will later be extended to include future business with other customers.

Thank you!

Thanks to the marvelous team at Hangsheng Technology GmbH in Berlin and the fruitful cooperation with Hangsheng Group in Shenzhen and Shanghai these developments were made possible.

We are looking forward to the visit of Mr. Yang, CEO of Hangsheng Electronics Co., Ltd., and the continuing improvement of our collaboration.

Hangsheng Technology GmbH

Bouchéstr. 12 | 12435 Berlin | Germany
Haus 1 | Aufgang C | 2. OG
Phone number: +49 30 7262170-0
Email: info@hsae.eu