

PRESS RELEASE

Nash Technologies Delivers a 4G Based Test Environment for Industrie 4.0 Applications

Nuremberg, September 13, 2016, Nash Technologies, a vendor-independent player in the wireless R&D business, today announced that it has successfully delivered a test environment to the Institute for Control Engineering of Machine Tools and Manufacturing Units of the University of Stuttgart.

The constantly growing amount of Machine-to-Machine (M2M) specific applications requires a permanently available and highly reliable wireless connectivity between sensors, machines and robots in modern production plants and business analysis systems running in large data centers in the cloud. The collected data from the sensors must always be accurate and complete in order to enable reliable analysis results. At the same time, machines and robots must permanently be able to deliver their artefacts with high quality and under strict timing conditions. This implies challenging requirements on the end-to-end communication infrastructure: highly available and immediate responses in real-time.

Nash Technologies provides an LTE based network environment consisting of an LTE Small Cell and an emulated Evolved Packet Core (ePC) including test environment, which constitutes a research platform to enable innovations in the area of Industrie 4.0. This project confirms Nash Technologies' capability to deploy Small Cell solutions within M2M environments.

"LTE based Small Cells are the ideal foundation for a multitude of customized M2M applications", said Markus Ermer, CTO of Nash Technologies GmbH. "The market trend clearly points towards a large number of Small Cell applications, operating simultaneously in Internet of Things (IoT) environments."

Infonetics predicts that M2M and IoT will be transforming industries, hence creating tremendous opportunities for mobile M2M module vendors. The market is expected to nearly triple from \$1.6 billion to \$4.5 billion by 2018. Although M2M module unit shipments are dominated by 2G today, 3G will soon gain momentum, shifting the trend toward broadband technologies. Ultimately, 4G will emerge as the fastest-growing technology segment in terms of percentage of units.

About Institute for Control Engineering of Machine Tools and Manufacturing Units of the University of Stuttgart

The Institute for Control Engineering of Machine Tools and Manufacturing Units (ISW) of the University of Stuttgart is one of the leading research centers in the field of control engineering – from planning to the tool. The ISW does interdisciplinary research in technologies for the future production and automation. For the industry we are for almost 50 years an innovative and reliably partner for ambitious challenges, from the first idea to the end product.

About Nash Technologies

Nash Technologies is a vendor-independent provider for network and software services in telecommunications, transportation, automotive and other industries, based in Nuremberg, and with offices in Stuttgart, Cologne, and Ho-Chi-Minh City (Vietnam). Since more than 20 years we are supporting our customers in software development, software testing, quality assurance integration, deployment, roll-out and maintenance of software products. Due to our extensive experience with complex software solutions, we are specialized in the development of mission-critical and time-critical applications. We offer our services in the form of contract for work, temporary employment or service contract.

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