



MCS Boilerplate

Version 4; May 29, 2017

MCS Data Labs, established in Berlin (Germany) in 2013, develops leading-edge hardware and software for IoT, emergency communications, remote internet and eHealth.

Flagship development project of this SME is **SmarKo® Health®**, a holistic sensor- and application-based monitoring and communication system for doctors and patients. It allows for real-time video, audio and texting. Emergency notifications to doctors and PSAP's can be sent manually or are triggered by complex algorithms. The SmarKo® Health® ecosystem provides for easy management of clinical studies and increased effectiveness at the point-of-care; it fulfills highest European safety and security standards. A customized Data Analytics Software Pack ensures medical experts can develop and adjust medication plans in a targeted and patient-adequate way.

SmarKo® Health® was recently awarded the **prestigious Deep Tech Award 2016** from the State of Berlin, co-supported by the European Union.

As the SmarKo® modular architecture is designed in a flexible and customizable way, it can be employed in areas other than digital health: public safety, sports and fitness, ambient living and many more.

MCS is a **consortium member in the H2020 project EMYNOS** (nExt generation eMergency commuNicatiOnS). The main purpose of this EU-funded initiative is to allow for rich media emergency communications across Europe. Project outputs will enable ambulances, hospitals, police and fire brigades to react fast and more precise based on a wealth of information. The technology is available to MCS for further utilization in emergency and non-emergency cases to the benefit of European call centers and beyond.

Big Data Analytics

The third leg of MCS is Big Data Analytics. MCS provides data collection and analysis, trend projection and prediction built on state-of-the-art technologies such as TensorFlow for deep learning, Hadoop and RethinkDB, creating customized solutions.

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