

Press Release

SmartCity technology forum in Lugano, Switzerland, September 1st, 2015

IP500 platform with across the trades smart solutions for Smart Cities

Together with the Faculty of computer science of the University of Lugano (USI) and Salt, the IP500 Alliance hosts the “ Smart city Technology Forum” on the 1st of September on campus of Lugano. Top class abstractors showed "Smart Solutions" with secure, interoperable and smart products from different areas based on the IP500 platform. Cross-linked between the trades these solutions form the basis of a "smart city" that permits a new quality of public services in areas such as mobility, environment, energy efficiency and security, and improves quality of life. The event, which was opened by Marco Borradori, mayor of Lugano, had around 100 participants, including 15 guests from Japan.

Keynote speakers of the first part of the conference were the three promoters. Miroslaw Malek, professor at the USI and director of the Institute AlaRI, provided in his presentation "Age of Computricity" information about the possibilities and opportunities that digitization and networking provides the cities. Britta Reinhardt-Moser, Chief Business Officer of Salt, gave a lecture, entitled "Smart City – Driver for Innovation", about how the topic Smart City encourages new developments in technology. Helmut Adamski, CEO of IP500 Alliance, outlined under the title "The true Internet of Things 3.0", the significance of the cooperation of the different trades and how a platform like the IP500 can be used to develop smart solutions for the Smart Cities.

Smart solutions from the region Lugano

In the second part, practical applications from the Lugano region were presented, such as, a solution to simplify the search for a car park, the improvement of road safety and the optimization of agricultural production.



Andrea Fossati, CEO Parquery, reported a "Smart Parking Solution". Kataria Balac, USI, explained a Case Study about the "In-Tunnel Vehicle Localization" for the Vedeggio-Cassarate Tunnel and Mauro Prevostini, USI, informed about the Smart Vineyard Project "Precision Agriculture", which is a precise and efficient control of pests in the wine sector. Frank Konrad from MicroSens, gave a lecture on "Smart City ECO System and Business".

Interoperability with IP500

Finally, Helmut Adamski and various members of IP500 Alliance presented different IP500 products, which are able to actualize different smart solutions. Thanks to the interoperability of the products, the IP500 platform can connect applications across the areas of comfort, security and energy efficiency in the same wireless network.

Summaries

Mirosław Malek, director of the Institute Alari of USI, said: "From phones, cars, home alarm systems, traffic lights to hospitals, banks and airports: Our cities are littered with sensors that are linked to one another: the so-called "embedded systems", by their functionality our life depends on, literally. Since 1999, AlaRi engaged in the research and training in this area, so I am very glad that Salt and IP500 Alliance help to make concrete steps to transfer our knowledge to the urban reality of the Italian part of Switzerland. "

Britta Reinhardt-Moser, Chief Business Officer of Salt, explained: "We live and work increasingly mobile. We access any information at any desired moment and place. As a next step we control devices and equipment from everywhere at any time. Without customized mobile services and a top developed, reliable mobile network this is not realizable. That's what Salt supplies for the Internet of Things and Smart Cities. "

Helmut Adamski, CEO of IP500 Alliance, said: "The meeting was for the platform IP500 a wonderful opportunity, because the purpose of the alliance is to develop a common ecosystem, which is shared by research, industry and public institutions and which provides a quick and secure interoperability of numerous wireless devices, that are scattered in the cities and facilitate our daily life."



IP500 OEM Products Demo's

At the Lugano SmartCity / Technology Forum several OEM products and the entire Gateway and cloud solution were shown. The following products with IP500 connectivity were demonstrated:

- ESSMANN – smoke rejection solution
- GEZE – Access Control, Sliding doors
- OMRON – multifunction sensors
- Toyota Tsusho - Agricultur solution
- Salt & CoreNetiX – IP500 / GPRS Gateway
- CoreNetiX – IP500 Edgs Router (indoor)
- iQuest – cloud based data base and dashboards

The demonstrations of these OEM solutions were focused on three main applications.

- First: Building Automation (comfort and security)
- Second: Agriculture monitoring
- Third: Disaster monitoring

The individual OEM solutions were presented in a presentation slot, as well as during a table top fair as life demos. The participants (city authorities) were able to the interoperability and combination of smart devices connected in a building / or even a city wireless mesh network. The result is a scalable sensor network addressing their key topics in the target areas – lower energy consumption – increase security – improve comfort and safety and many other topics.

About the IP500 Alliance

The IP500® Alliance is an international industry Association launched by leading manufacturers (OEMs), users and operators. It has set itself the target of jointly defining, developing, and providing a secure and vendor-neutral wireless communication platform for smart sensing devices for building, home as well as city applications. The new IP500® platform will thereby fulfill all of the technical requirements for secure, interoperable and cross-disciplinary networking of smart devices according to worldwide standards, like IPv6 / 6LowPAN (IETF) and 802.15.4 (IEEE).

Today the IP500 Alliance has global OEMs as active members setting the international wireless Standard for smart Security & Safety devices in IoT 3.0 applications.

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