

PRESS RELEASE

First technical standard and classification for integrated multifunctional street lighting

Hannover, Germany March 22nd 2017. Today DIN, [ui!] - the urban institute® and their consortium partners present the worldwide first technical standard (DIN SPEC 91347) and classification for “integrated multifunctional street lamps” at CeBIT, Hannover. This way the integrated multifunctional street lamp can become a key component of smart cities and communities.

The core of the standardization project are 14 digital use cases, which demonstrate how cities and communities can profit, when they seize the current opportunity: Not just replacing old lighting with LED but creating a component-based system. Meeting the demands and challenges of modern cities with targeted new functionalities. With sensor technology for traffic monitoring as the basis of automated driving. With WiFi routers for public internet access. And with charging stations for electric vehicles.

“It is essential to consider street lighting and additional components not only in isolation but to create an integrated system of the digital city”, says Lutz Heuser head of the consortium and [ui!] CEO. Sensors can detect parking spots and traffic, collect environmental data and enable event based light control. With the acquired data, new services for citizens and municipalities as well as new business models for start-ups and companies can be created.

“Our work is going to improve long-term planning to shape the digital transformation and foster the dialogue between politics, administration and businesses”, says Bernhard Kempen, DIN project manager of the DIN SPEC project.

The consortium consisted of the following partners – lead and coordination by [ui!]

- Operator of street lighting infrastructure: **EnBW** (with product line SM!GHT); **RheinEnergie**;
- Light management and charging infrastructure: **Schröder** (with product line Shuffle); **Trilux**; **Continental** (with Connected Car); **eluminocity** (with Light & Charge System);
- Communication and platforms for internet of things: **Deutsche Telekom**; **NXP** (with Connected Car & Security); **Alliander** (Smart Society Services); **Microsoft**.

The DIN SPEC 91347 has been published by “Beuth Verlag”. An English version will be available soon.

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ABOUT

Urban Software Institute GmbH - [ui!] – the urban institute®

is a leading software and consulting company as well as a business incubator for Smart City solutions in the areas of sustainable urban mobility, low-emission traffic, integrated multi-functional street lighting infrastructure, energy management for urban districts and integrated infrastructures. The customers are cities, communities and metropolitan regions, further municipal and private companies. With the support of [ui!]’s strategic consulting and products, the customers achieve their ambitious climate goals, sustainable mobility and energy concepts as well as the development and operation of a digitized infrastructure for the Smart City faster, more sustainably and efficiently. The products are [ui!] UrbanPulse, [ui!] COCKPIT, [ui!] TRAFFIC, [ui!] INTEGRATION, [ui!] ENVIRONMENT and [ui!] CROSSFLEET. The company was founded in the year 2012 by Prof. Dr. Dr. h.c. Lutz Heuser, CEO and CTO of the Urban Institute GmbH. At present 35 experts work for the company. The company locations are in Germany Chemnitz, Darmstadt, Walldorf and Berlin, and internationally in the countries USA, Australia and Hungary. The headquarters is in Chemnitz, Germany.

www.the-urban-institute.com

DIN

the German Institute for Standardization, is the independent platform for standardization in Germany and worldwide. As a partner for industry, research and society as a whole, DIN plays a major role in paving the way for innovations to reach the market and advancing progress in innovative areas such as Industry 4.0 and Smart Cities. More than 32,000 experts from industry, research, consumer protection and the public sector bring their expertise to work on standardization projects managed by DIN. The results of these efforts are market-oriented standards and specifications that promote global trade, encouraging rationalization, quality assurance and environmental protection as well as improving security and communication. DIN was founded in 1917 and is celebrating its 100 year anniversary in 2017. For more information, go to

www.din.de