

PRESS RELEASE

Standardization of integrated multi-functional street lighting infrastructure

Germany to Lead Smart Street Lighting Infrastructure

- New infrastructure for the Smart City
- First standard of its kind in Europe to be developed
- Industrial consortium formed; led by Urban Software Institute: Alliander, Continental, Deutsche Telekom, eluminocity, EnBW, Microsoft, NXP, Schröder, Trilux, RheinEnergie
- Future step: European or international standard

Berlin, June 1, 2016. For the digitalization of economy and society, the digital transformation of cities and communities plays a major role. Sustainable traffic flow, energy efficient lighting and charging stations are only some examples of future lead markets. In the next years, many cities have to modernize their street lighting, mainly with LEDs. This is the chance to create a unique digital infrastructure for the Smart City: from the simple light source to the integrated multi-functional street lighting infrastructure with public WIFI, sensors measuring CO2 as well as harmful pollutant emissions and electric vehicle charging points. Cities can gather data on regulated emissions, offer new services and generate revenue instead of coping with high energy costs and expiring permits for outdated street lighting. Citizens profit from the benefits of these new services based on anonymous data such as improvement of traffic flow, health or environmental information.

However, the integrated multi-functional street lighting infrastructure needs standards as a precondition for market development. Definitions of components, interfaces or quality requirements are lacking. Communities interested in investing do not have the necessary framework for the procurement process yet.

The Urban Software Institute, [ui!], has initiated the standardization process and formed an industrial consortium. Together with DIN, the German Institute for Standardization, a first standard (DIN SPEC) will be developed and published by the end of 2016. The consortium members, who start their work today, are: Alliander, Continental, Deutsche Telekom, eluminocity, EnBW, Microsoft, NXP, Schröder, Trilux, RheinEnergie, and Urban Software Institute.

DIN SPEC: foundation for a European standard

The development of standards is very much in line with the plans of the European Commission to position smart street lighting infrastructure as an crucial measure to reach European climate goals by 2020. The Commission wants more Smart Cities and Communities with digital infrastructure in Europe. After having developed the “DIN SPEC” standard [ui!] and DIN will discuss next steps with the European Organization of Standardization (CEN) to transfer it into an EU-standard.

MEDIA CONTACTS:

[ui!]

Dirk Heuser
Marketing & Communications
T +49 (0)6151 4932 061
E dirk.heuser@the-urban-institute.de
Urban Software Institute GmbH
Zwickauer Straße 223a
D- 09116 Chemnitz
www.the-urban-institute.de

DIN

Andrea Schröder
Leiterin Kommunikation
T +49 (0)30 2601 2480
E Andrea.Schroeder@din.de
DIN e. V.
Am DIN-Platz- Burggrafenstraße 6
D- 10787 Berlin
www.din.de

ABOUT [ui!]

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.

ABOUT DIN

DIN is a privately organized non-profit provider of standardization services. More than 32,000 experts from industry, research, consumer protection and the public sector bring their expertise to work on projects managed by DIN. The result: Market-oriented standards and specifications that promote global trade and innovation, assure efficiency and quality, and help protect the environment and society as a whole. DIN promotes the marketability of innovative solutions through standardization in areas such as Industry 4.0 and smart cities, often within the framework of research programmes.