



Inauguration of the largest smart lighting installation in Rhineland-Palatinate: Smart Fauthweg, Kaiserslautern

Kaiserslautern, 12. August 2019

Right in the heart of Kaiserslautern Minister of the Interior in Rhineland-Palatinate Roger Lewentz; Dr. Klaus Weichel, head mayor of Kaiserslautern, and CEO of KL.digital Dr. Martin Verlage inaugurated the Smart-City-Project “Fauthweg” on 12. August 2019. Partners, media representatives as well as citizens were able to get a first impression of the potential of the intelligent lighting equipment installation, which can - as of now - also be used by the public.

During the last months the [City of Kaiserslautern](#), [KL.digital](#) and [ICE Gateway](#) had worked intensively on the path’s digitization and conversion of the in total ten streetlights. The 300-meter-long pilot line now includes the longest intelligent and interconnected line of luminaires in Rhineland-Palatinate. The smart line showcases various innovations. Push buttons and motion detectors control the lights on a demand-driven basis. The lights autonomously signal malfunctions and maintenance requirements. Projectors display warning messages on the sidewalk, if the pavement is slick. The luminaires can be controlled remotely, e.g. from a control centre. Sensors for the measurement of temperature and humidity and frequency of use are also in place. The light itself is right where it is supposed to be: using modern LED technology reduces the energy consumption up to 70% when the light is turned on while the scattered light is being reduced immensely.

Minister of the Interior Roger Lewentz: “Digital opportunities have to be utilized, so they enhance the quality of life and create direct advantages for the citizens. Due to the close interlocking of new technical opportunities with the city development, Kaiserslautern can now be seen as a role model across Germany. The smart lights are just another step in the right direction. The decision to become a 5G model region and a Smart City also confirms this positive advancement immensely. At the same time the city and KL.digital already co-operate with Andernach, Speyer, Wörth am Rhein and Zweibrücken, and will expand this in 2020, so best practices and ideas can be transferred to other regions of the state.”

The “Fauthweg”-project helps Kaiserslautern to further establishes its role as a digital forerunner in Rhineland-Palatinate. It was a conscious decision to convert the existing streetlights, to create a sustainable example for other municipalities.

Head major Dr. Klaus Weichel explains: “It was our aim to convert the line, not to build a completely new installation out of thin air. On the one hand this ensures a better transferability for other streets and secondly of course also for other municipalities. This is a time and cost-saving solution for our administration.”

For KL.digital the inauguration is an important step into the digital future, including a huge benefit for the citizens. **Dr. Martin Verlage, CEO of KL.digital, stated regarding the inauguration:** “The project is a perfect fit for the city of Kaiserslautern. The human being sets the tone here. Pedestrians and cyclists can individually adjust the illumination intensity by using a button and thus e.g. enlarge the brightness in case of a visual impairment or a heightened need for safety. Sensors measure the temperature and projectors show warning signs via letterings on the street, if it might be slippery.”

The company ICE Gateway developed the innovative Smart City solution and constructed the secure IoT-network based on their programmable Mobile Edge Computer (iceMEC). This solution paves the way to include, besides an intelligent light management, also the monitoring of environmental factors and traffic as well as the signalling of black ice. “We chose the sensor technology to be tailor-made for the requirements of the city of Kaiserslautern. And in the fall of this year we will have the first valuable insights regarding the test area”, **states Ralf Gerbershagen CSO of ICE Gateway.**

“We aim to gain valuable experiences regarding the implementation of new solutions with this test line, which can be copied by other cities of the future. If these systems deliver as we expect, we will equip other streets with this new technology” sums up the joint view of **head mayor Dr. Klaus Weichel and KL.digital CEO Dr. Martin Verlage.**

About KL.digital

The city-owned company KL.digital GmbH has been founded in 2017, following the Bitkom-competition “Digitale Stadt”, in which the city of Kaiserslautern took part. The city thus focused its digitization activities. It’s the purpose of KL.digital GmbH to test the implementation of innovative technologies supporting the digital transformation, especially regarding the social impacts and the acceptability within the population and to give advice to public institutions during their digital transition. Currently the KL.digital GmbH has seven employees and is located in Kaiserslautern. The company is financed by 90% Rhineland-Palatinate Ministry of the Interior and Sport and 10% is covered by the city of Kaiserslautern itself.

More information: www.herzlich-digital.de.

About ICE Gateway

ICE Gateway GmbH offers innovative Smart City solutions and sees itself as a partner for digitization strategies. Equipped with a secure infrastructure solution, based on a programmable Mobile Edge Computer (iceMEC), the ICE Gateway GmbH creates an IoT-Network. This digital network is the basis for the numerous services in the fields of street lighting, public transport, security, sensor technology and marketing. These smart city solutions are secure, easy to install and freely scalable. The complexity for the client is being reduced to a minimum here, since the ICE Gateway GmbH covers all IT-services. All applications are compliant with data protection requirements.

More information: www.ice-gateway.com/.

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