

## **Abstract and bio Jonas Anund Vogel, director KTH Live-In Lab**

### **Dig-IT Lab – Competence centre for Digitalization in the built environment**

In its different forms, the built environment is the single largest energy consumer in the EU (40%), as well as one of the largest carbon dioxide emitters (36%). Improving energy efficiency in buildings therefore has a key role to play in achieving the goal of carbon-neutrality by 2050. Smart technologies and buildings are important elements to reach this goal, however, 96% of all data from buildings goes unused. And 90% of the 4 remaining % are unstructured. Increased use of data can lower energy use and CO<sub>2</sub> emissions, and Dig-IT Lab is our way forward.

Dig-IT Lab is a competence centre with actors from all phases of the life-cycle of buildings. Dig-IT Lab enable lower energy use and CO<sub>2</sub> emissions from the built environment by ensuring unbroken data chains and interoperability. We build shared digital infrastructure where industry and academia can test, innovate, learn and share. This is in line with business needs, aligning data for systems and buildings to reach their full potential. To grow, to profit. To decarbonize. Dig-IT Lab is the way to make this happen. Together with new business models, collaboration structures, education, we push the built environment towards becoming an innovative sustainable industry.

### **Bio Jonas Anund Vogel, Director KTH Live-In Lab**

Since 2016, Jonas Anund Vogel holds the position as Director of KTH Live-In Lab and leads the cross-disciplinary and industry-academia collaboration for accelerated innovation in the built environment. He is also in various ways involved in all research projects performed at Live-In Lab, making sure that the infrastructure delivers results, facilitates co-creation, and ensuring dissemination of research results. Jonas Anund Vogel has a technical and social science background formed by working in industry and academia. He wrote his doctoral thesis on incentives for innovation in the construction industry while at the same time developing and constructing the cross-disciplinary research centre KTH Live-In Lab.