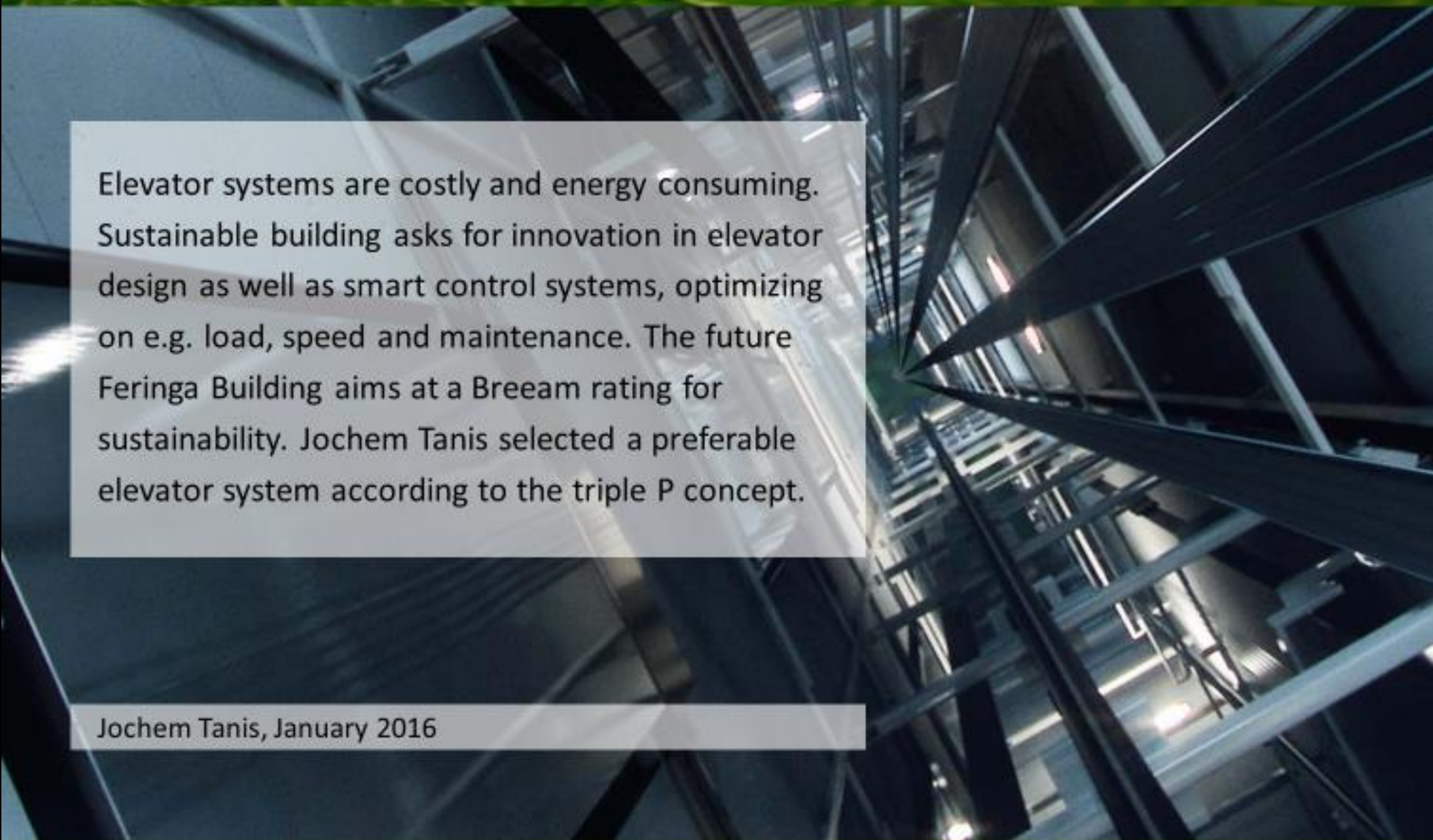


This is what we do!

Students on sustainable university design

An elevator energy pitch



Elevator systems are costly and energy consuming. Sustainable building asks for innovation in elevator design as well as smart control systems, optimizing on e.g. load, speed and maintenance. The future Feringa Building aims at a Breeam rating for sustainability. Jochem Tanis selected a preferable elevator system according to the triple P concept.

Jochem Tanis, January 2016

Veni vidi vietsie



Bus and train connections to Groningen are crowded with 15.000 students and scholars every day. Probably we can seduce some of them to come by e-bike? However, they can't afford the costs. So Niek Velthausz elaborated a business case for Groningen Bereikbaar and the bike market, avoiding 400 peak hour travels.

Niek Velthausz, January 2016

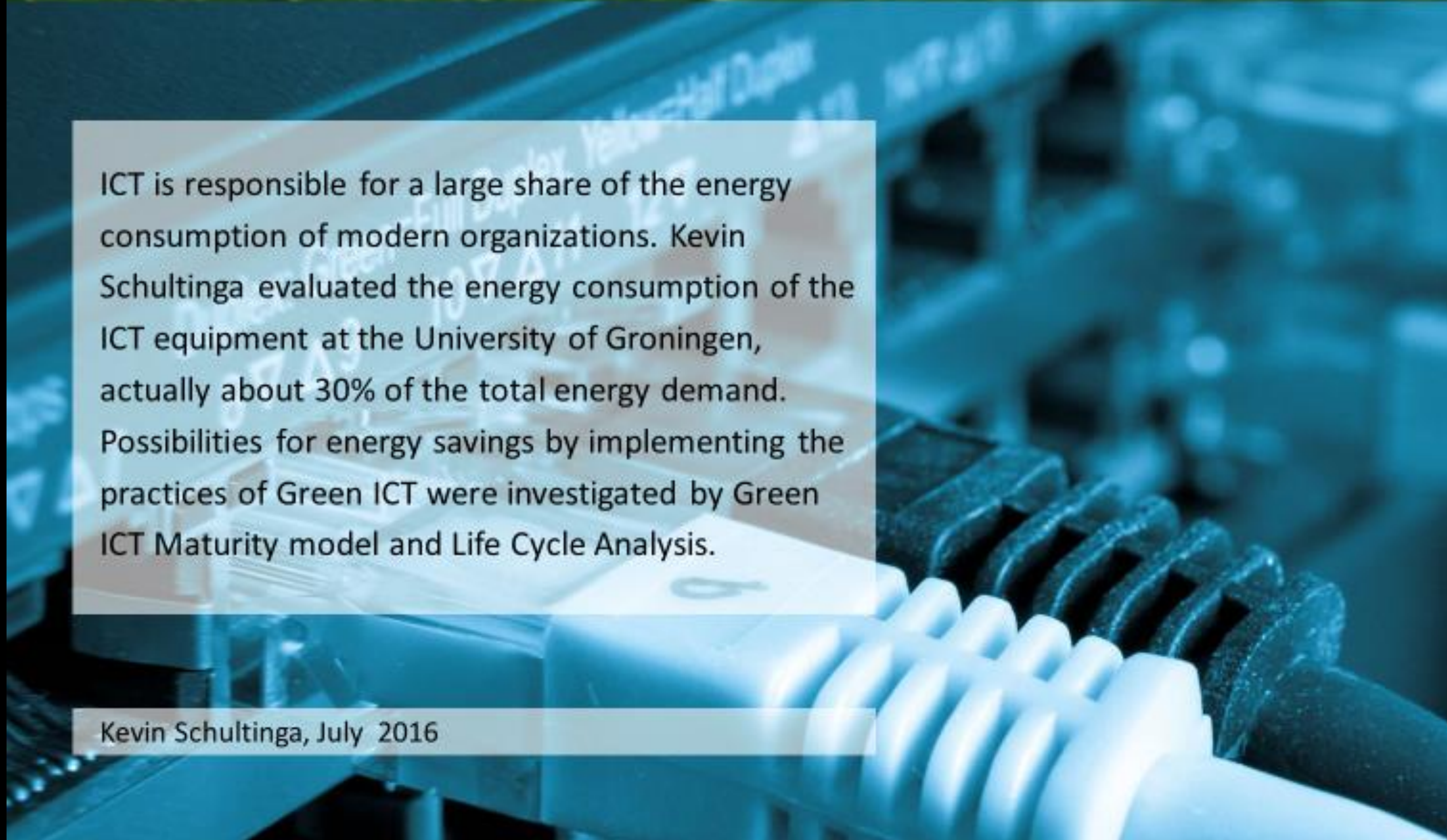
Share your ride



The city of Groningen is getting congested by cars and so are the University areas. Parking facilities are space-consuming. However, most cars transport one lonely driver. Why not share them? This is a challenge for social media. Richard Verwoerd evaluated the success factors of apps for carpooling. He elaborated the design and implementation of a university carpool app.

Richard Verwoerd, July 2015


Green ICT



ICT is responsible for a large share of the energy consumption of modern organizations. Kevin Schultinga evaluated the energy consumption of the ICT equipment at the University of Groningen, actually about 30% of the total energy demand. Possibilities for energy savings by implementing the practices of Green ICT were investigated by Green ICT Maturity model and Life Cycle Analysis.

Kevin Schultinga, July 2016

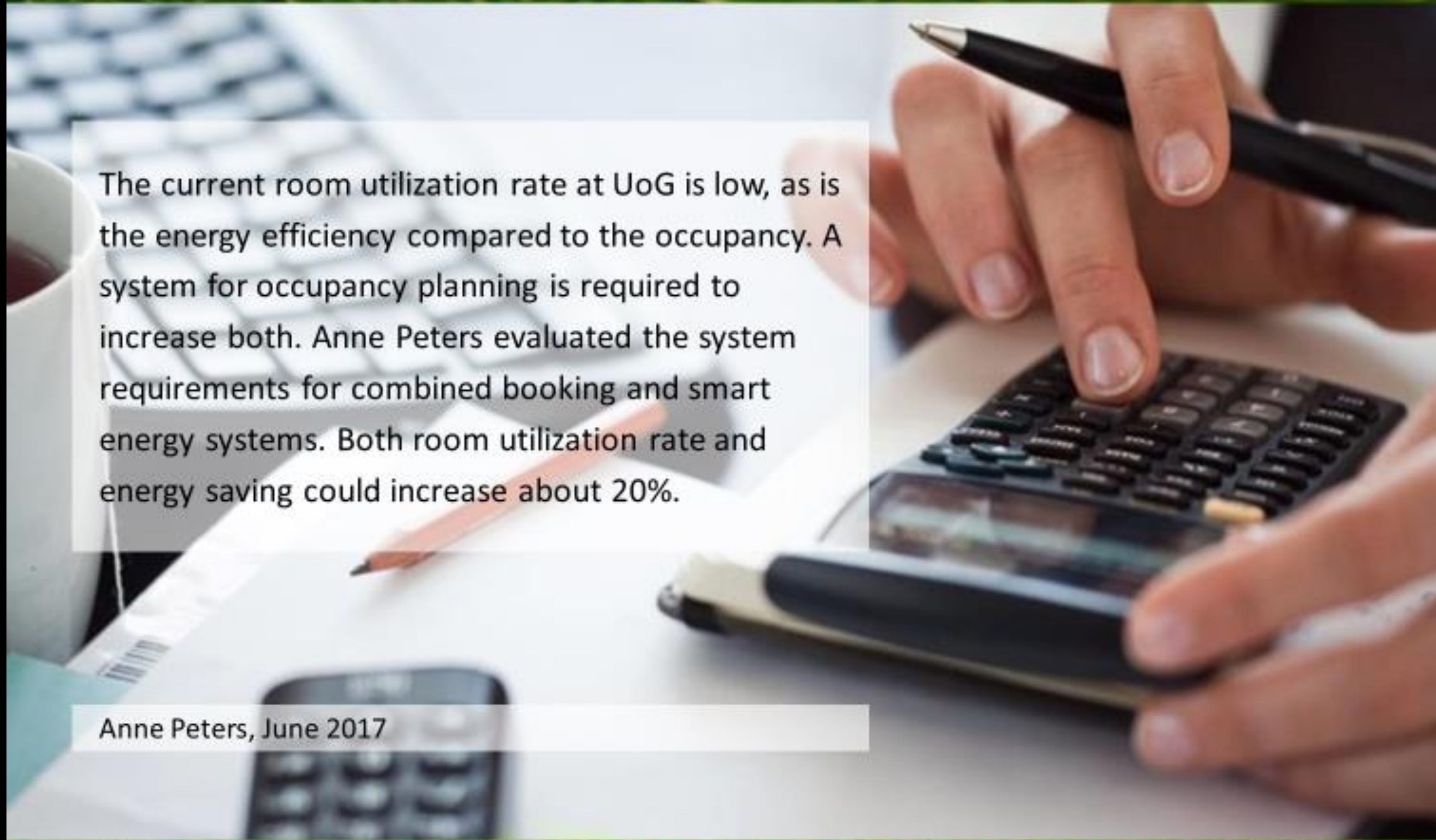
Let the sun shine in



What are the options for solar panels at the university area? The aim is to supply 20% of the UoG energy consumption by local renewable resources. However, the planning of PV is limited to some roofs. Thom Abeln elaborated a plan to cover a total 10% by additional panels at facades and parking places.

Thom Abeln, July 2015

Shared space, proper planning



The current room utilization rate at UoG is low, as is the energy efficiency compared to the occupancy. A system for occupancy planning is required to increase both. Anne Peters evaluated the system requirements for combined booking and smart energy systems. Both room utilization rate and energy saving could increase about 20%.

Anne Peters, June 2017