







Visual Al for buildings
PEKIVE workshop 2

Converting a building into being smart on energy...

25% **Energy savings** potential

Annual savings

~15€/m2

in smart buildings from application of occupancy sensing in building management software.

HEATING & COOLING

Heating/cooling of unused office space can be avoided.



VENTILATION

Air quality matters to worker productivity and well-being.



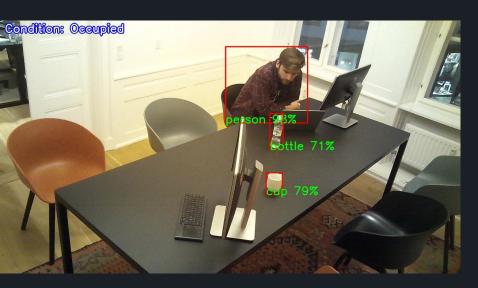
LIGHTING

No reason to light up vacated workspaces.





Beach toweling - classifier approach





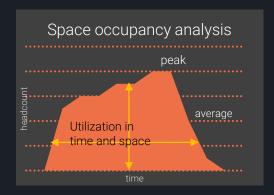


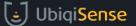


Smarter Data Insight

OCCUPANCY DATA ANALYSIS

- Office workdesk utilisation
- Utilisation of meeting rooms
- Utilisation of communal spaces
- Presence in % of time during working hours
- Utilisation in % of space during working hours





Feeding building AI with data

- Al algorithms are notoriously data hungry
- The more (quality) data the better algorithms, the higher the potential for building optimization
- Visual AI input such as provided by our sensors adds data about what really matters: people!
- Al can optimize operations and save energy based on vast amounts of complex multisource data rather than experience and gut feelings

