

The background of the slide is a complex, abstract geometric pattern. It consists of numerous triangles of various sizes, some of which are 3D, creating a sense of depth and movement. The color palette is primarily shades of blue and purple, with some lighter, almost white, areas that highlight the geometric forms. The overall effect is a modern, tech-oriented aesthetic.

Smart Building Integration with Niagara

80%

of our lifetime we spend in buildings.

40%

of global energy consumption
relates to buildings.

75%

of all buildings
are rated
energy
inefficient

80%

of all buildings
do not have a
monitoring &
control system



Conflict situation

Europe is built

Majority of buildings is not controlled, monitored and energy optimized

Old technology

BMS in the buildings is often outdated, not used or comes with an unfriendly UX

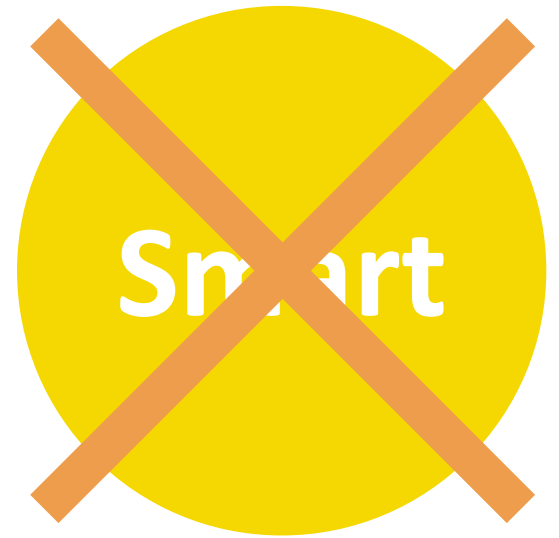
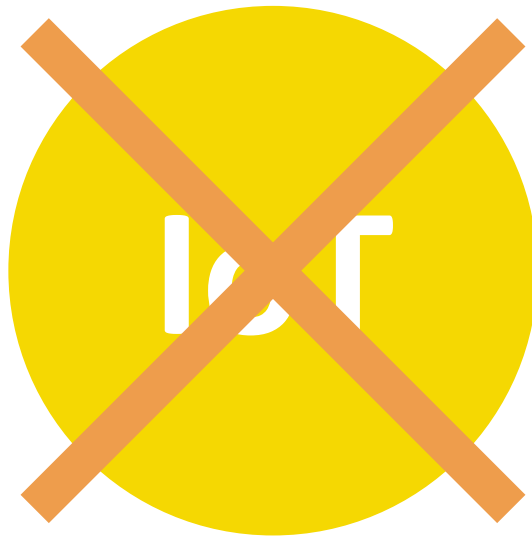
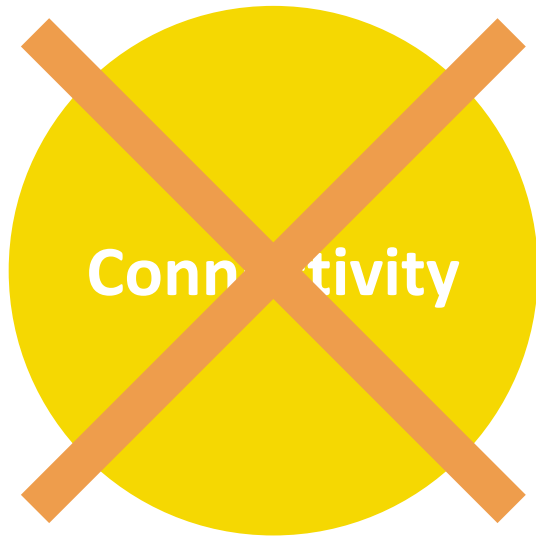
Slow renovation rate

Only 0.4 – 1.2% of the real estates in the EU is renovated every year

Digitization is demanded, but the technology used is outdated. We are not ready for a digital future with data democratization yet.



The solution?



No standartized protocols
No data democratization due to silo systems
No interface to existing systems





The solution!



**Adaption to the real
user needs and focus
on UX**

**Reflection of typical
use cases by
experience**

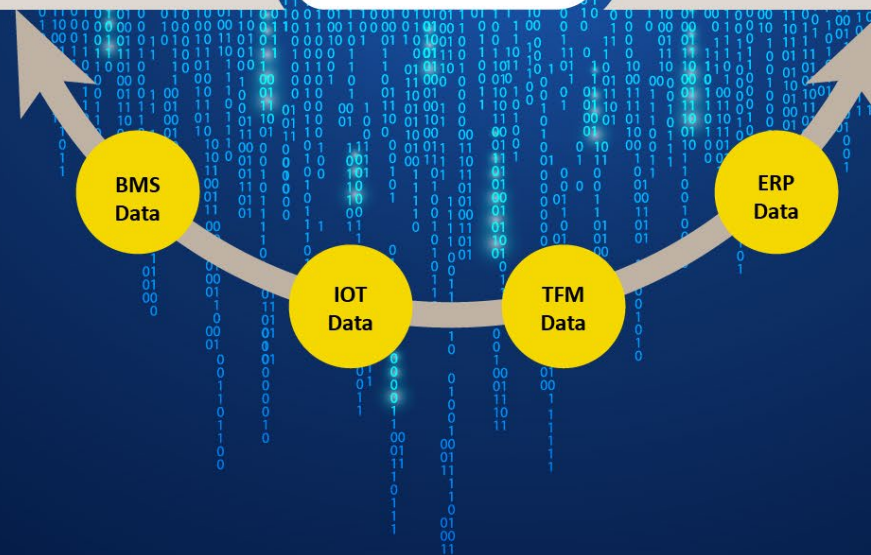
**Deployment through
building system
experts**



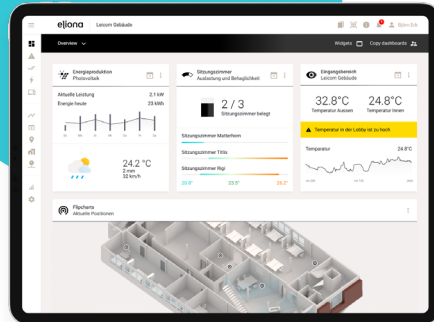
The digital twin

eliona

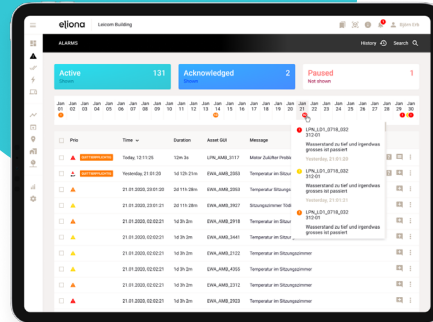
as data supplier



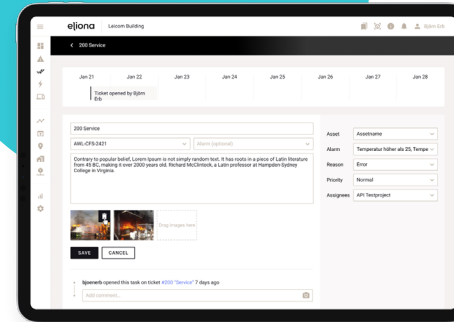
Data visualisation
with individual
dashboards



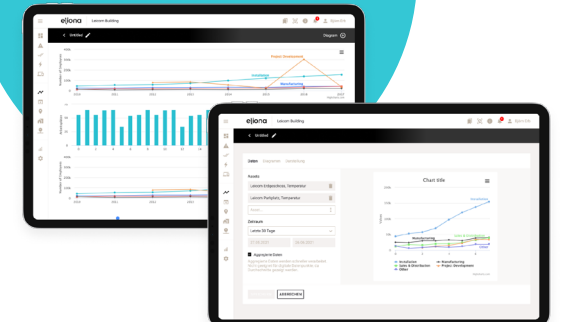
Central, rules
based alarming
& escalation



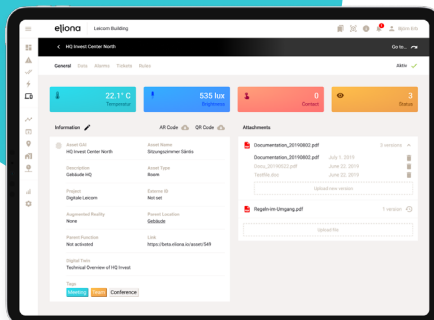
Ticketing



Historical data,
analysis &
reporting



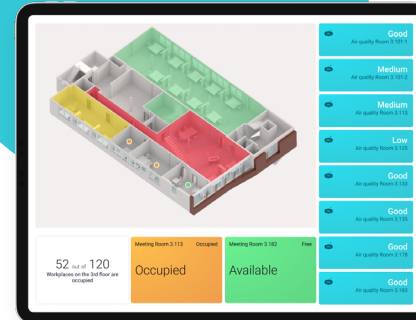
Asset & document
management



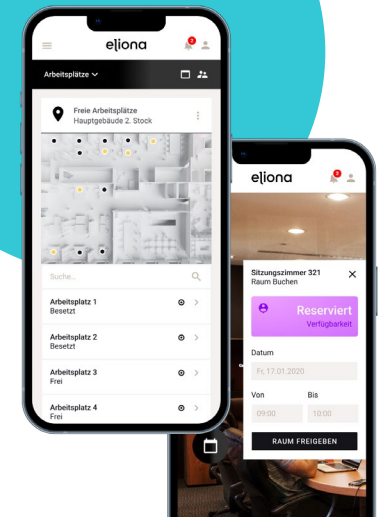
Map view in 2D,
3D and BIM



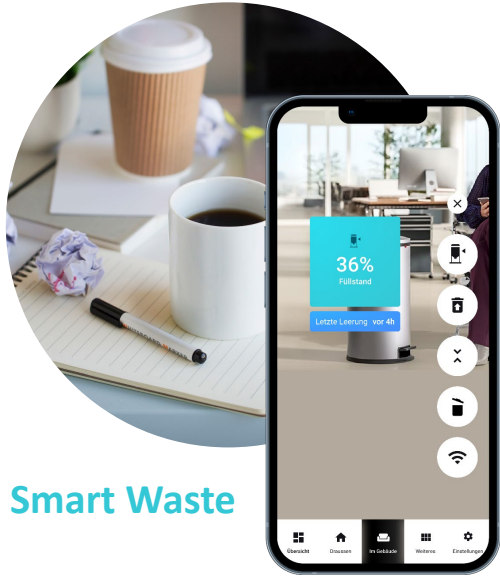
Views



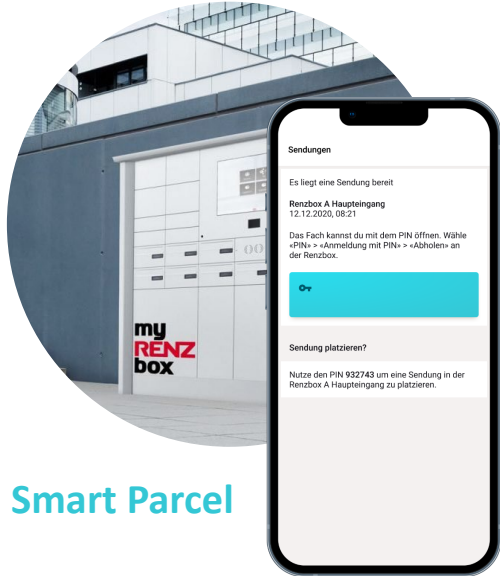
Smart Assist



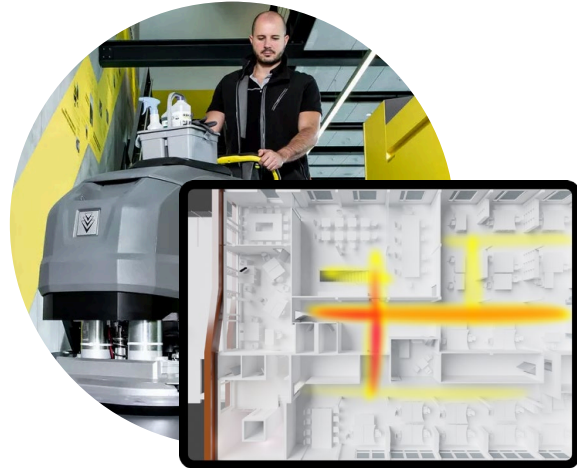
And you can easily **add IoT use cases** through our partner network, to **increase operational performance** of your property and staff



Smart Waste



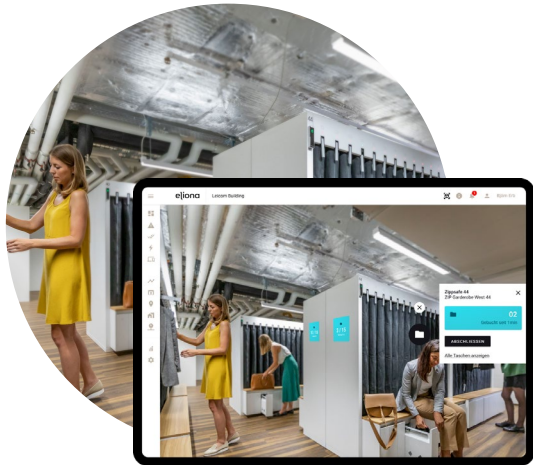
Smart Parcel



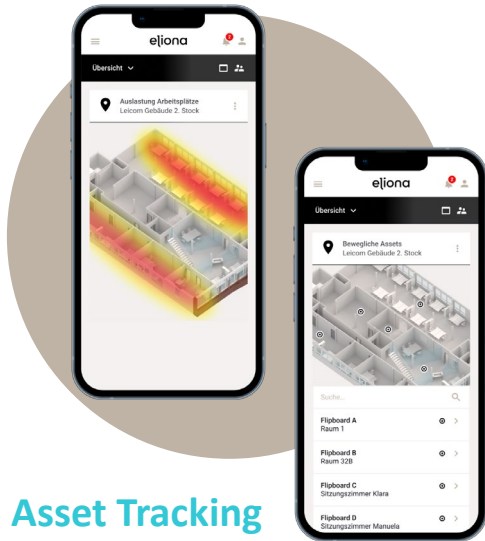
Smart Cleaning



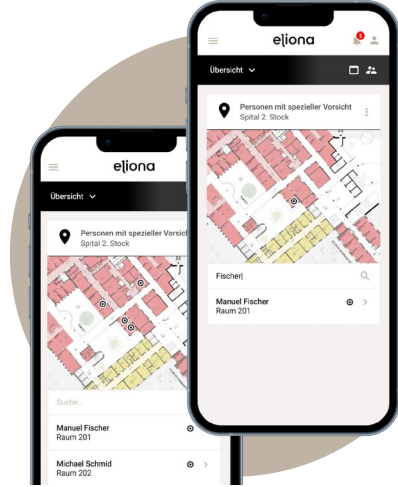
Smart Parking



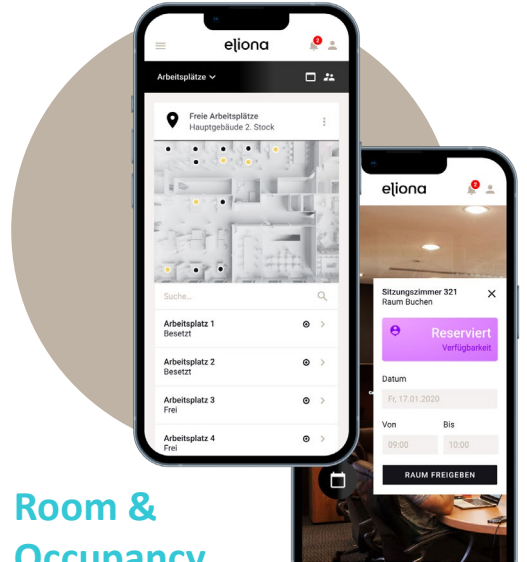
Smart Locker



Asset Tracking



People Tracking



Room & Occupancy Tracking

All this only one fingertip away ...



Based on
open IT,
BMS & IoT
standards

Public &
private
cloud or on
premises

Highly
scalable in
size and
function

Performant,
adaptive &
global

Easy to use,
focus on UX

Easy
engineering
with no /
low code

Cyber
secure by
design

... for you as a System Integrator



1

Order your Eliona
Cloud instance



2

Create your project
and set up the
users



3

Map your Niagara[®]
station with your
Eliona instance and
load the data in
your project



4

Engineer your
Eliona project with
trends, alarms,
dashboards, views
and visual
elements like
floorplans, digital
twin with **real time
data**

Smart Building has never been easier!

Demo
request

Mail me: christian.heim@eliona.io
or visit **eliona.io**

