











How long will it take?

"Less than two years.
Celebrate Christmas 2021 in the new house!"
Rob, Architect

2019-2021 (!)

- Research
- Requirements
- Manage all through an Oracle APEX app
- Architect plans
 Layers with Design, Electric, Plumbing,
 HVAC & Smart techniques
- City approval
- Getting offers from builders



2021 AUG



2021 SEP

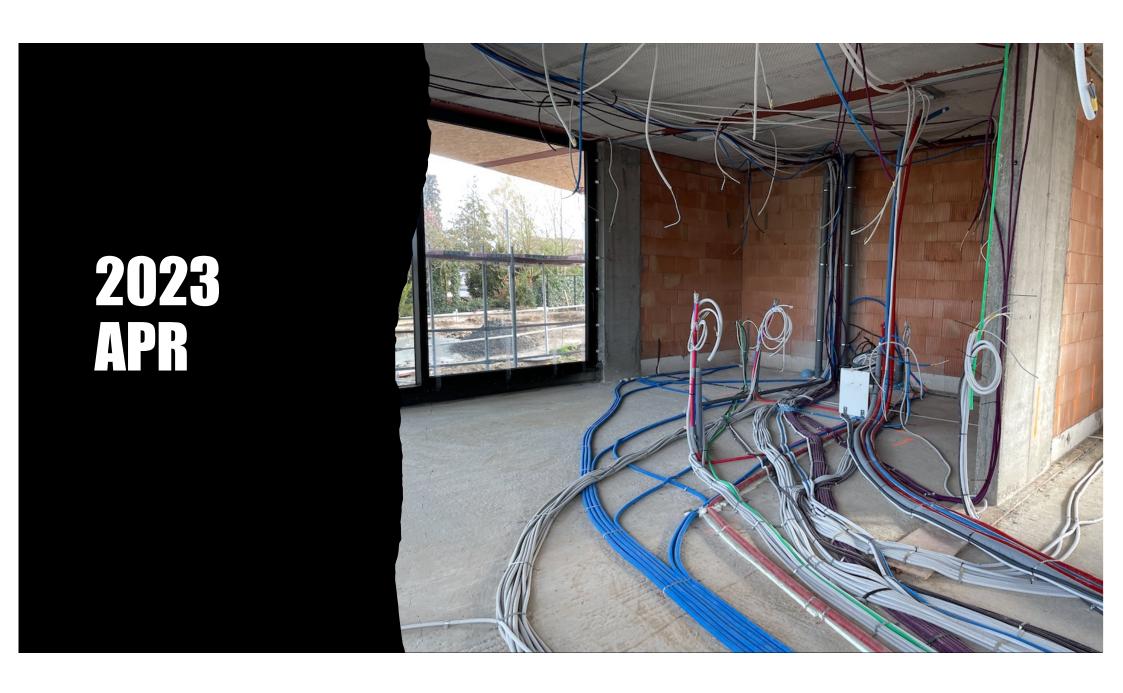


OCT

2022 (!) FEB







2023 JUL



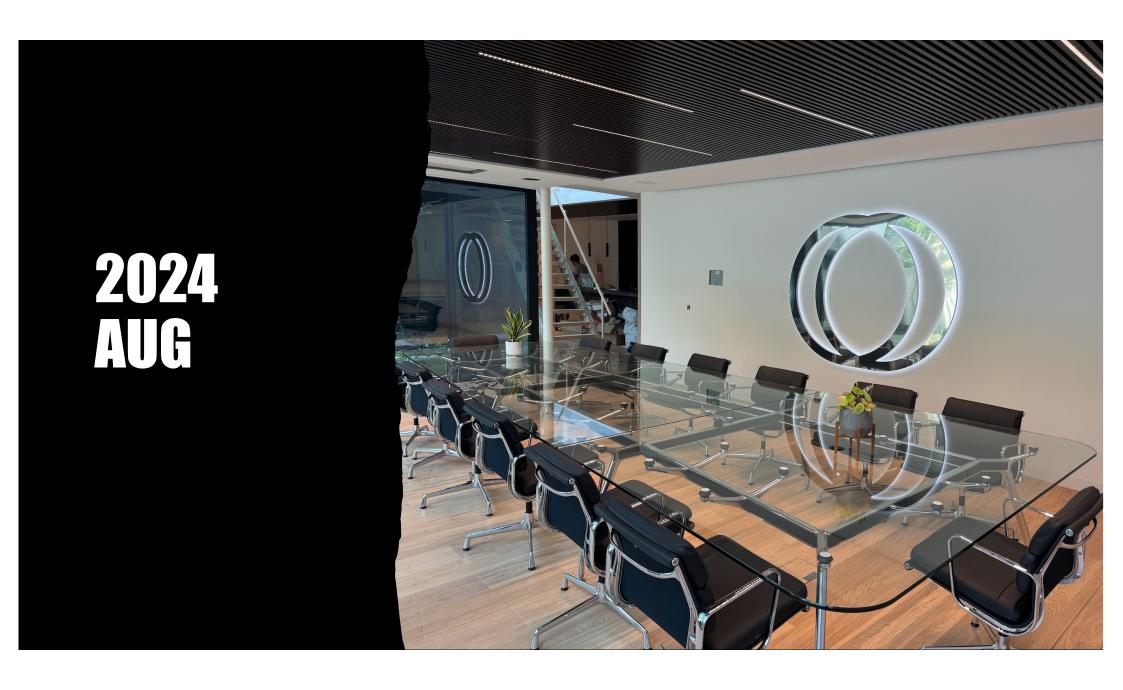
Q • Na Kabel goot

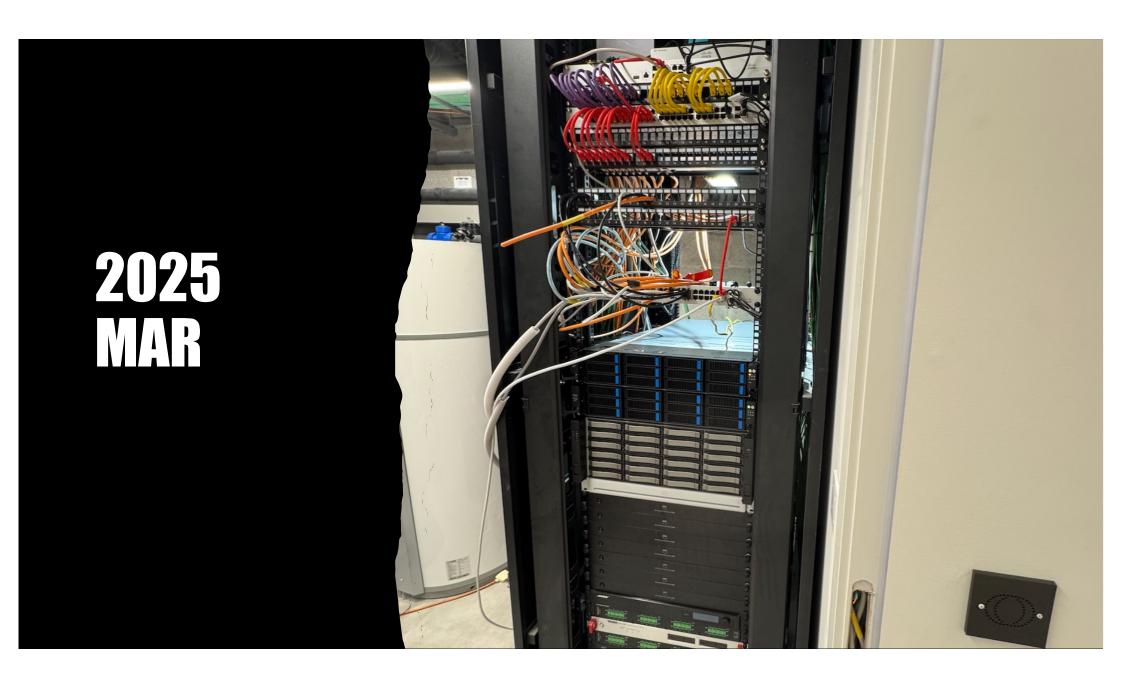
2023 SEP



2024 MAR









Our solution for a Smart Building



Brain



Indoor sensor(s)



Outdoor sensor(s)

Hardware

Sensors:

Air quality

Occupancy

• Temperature

• Lighting

Water quality

Water level

•

Cameras

Solar

Electricity

HVAC

Appliances

Battery

Alarm

Switches

Access Control

Automated Pool & Jacuzzi

Infrared cabine

Servers (AI, HA, DB)

Japanese Toilets

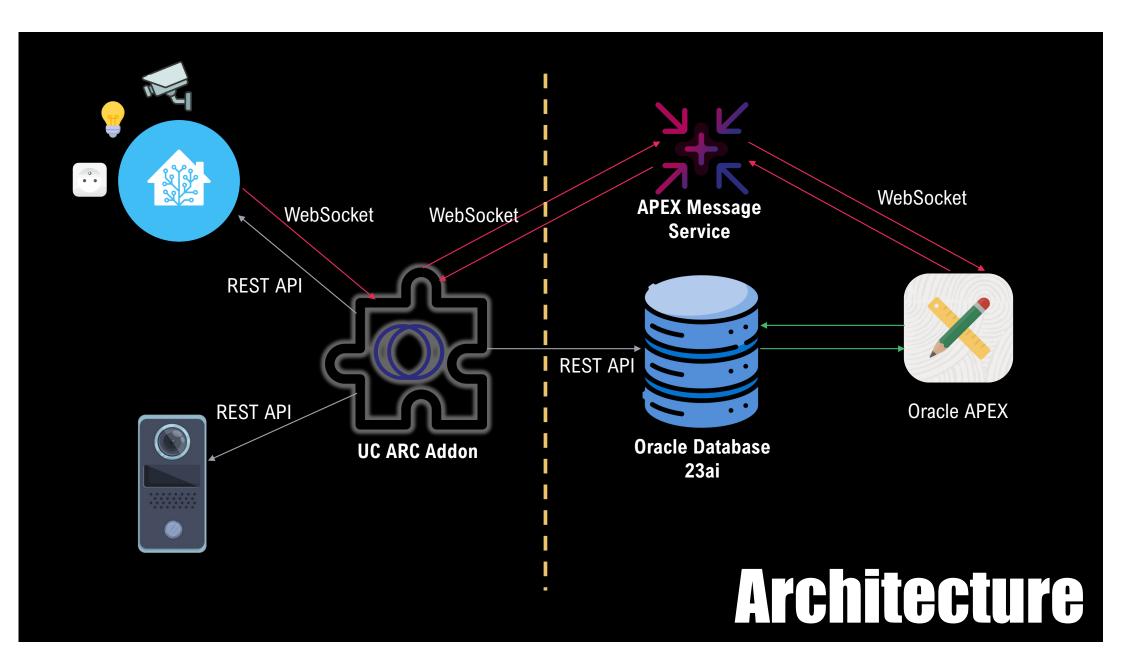
TVs

Microphones

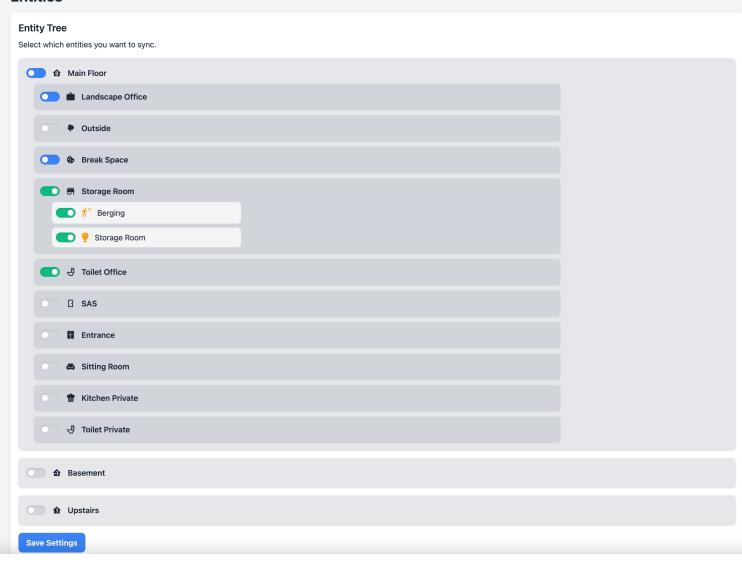
Fire detection

Touch screens

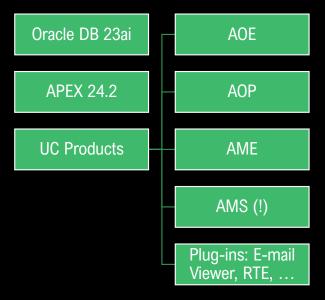
Audio

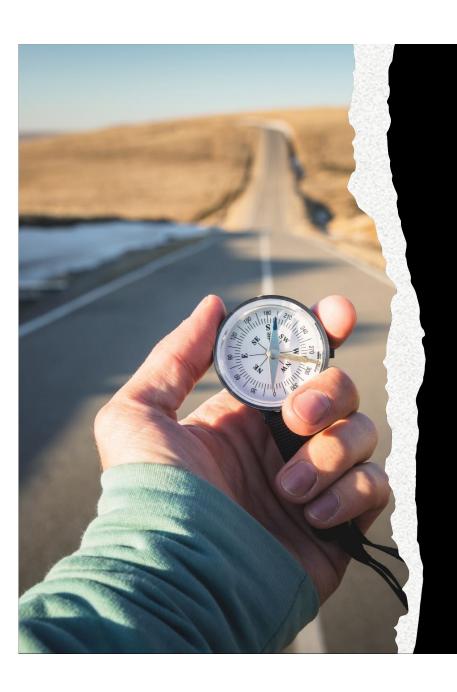


Entities



Demo APEX App





Goals

- Combine different data points
- Get unknown insights
- Predictive Analytics & Al-driven Insights
- Virtual assistant for Building Management
- Proof with data what people say is "true" e.g. sound of highway, heatpump is better than central heating, ...

Walk through home with AR

Visit us at our booth!

Phase 2

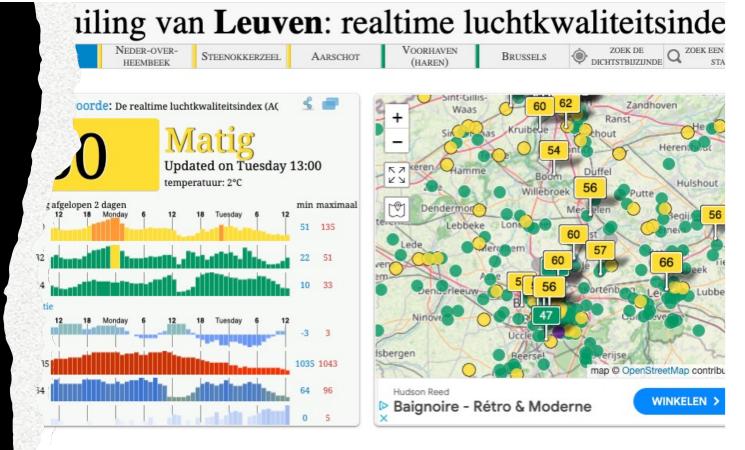
- Repeat in other buildings
- Connect them
- Digital City



Examples of city projects



Examples of city projects







Radio2 en 'Goeiemorgen morgen!' vieren op 23 jan Radio2

Onderzoek toont aan: elkaar goeiemorgen wensen, maakt echt gelukkiger

Een 'goeiemorgen' zeggen én terugkrijgen doet deugd, zeker als dat gebeurt tussen wildvreemden. "Het zorgt ervoor dat we ons

Examples of city projects

Happyness

Why Oracle DB & APEX?



CONVERGED DATABASE



EASY SCALABLE



EXISTS FOR LONG TIME – EASY TO UPGRADE



WORKS ON-PREM & IN THE CLOUD



SAME PLATFORM FOR HOME TILL CITY



VECTORS, AI, TEXT, JSON, RAG, ...

Phase 3

- Go to other cities and countries
- Our ambition: The platform runs MARS!



Thank you to the whole UC Team!



Dimitri GielisCEO & Founder



Philipp Hartenfeller Product Lead



Kevin ThyssenSenior APEX
Consultant



Kevin CoorensConsultant



Jackie McIlroy



Vito Van HeckeConsultant





Please fill in your evaluations

As9

Contact details

- Dimitri Gielis dimitri.gielis@united-codes.com
- Kevin Coorens: kevin.coorens@united-codes.com

