

**INSPARI**

# Agenda

- kl. 09:00 Velkommen til Inspari Briefing
- kl. 09:05 Nye tider: Den grønne agenda, energikrisen & datadrevne indsigter
- kl. 09:45 Pause
- kl. 10:00 Optimer & udnyt alle kvadratmeter med Actify Smart Building
- Kl. 10:30 Implement Group: Fra historisk bygning til Smart Building
- Kl. 11:20 Spørgsmål og opsamling

# Leading people

## Our team

170 data heroes

7 dedicated full-circle teams

Certified and ready, with passion for data

# Leading business

## Our achievements

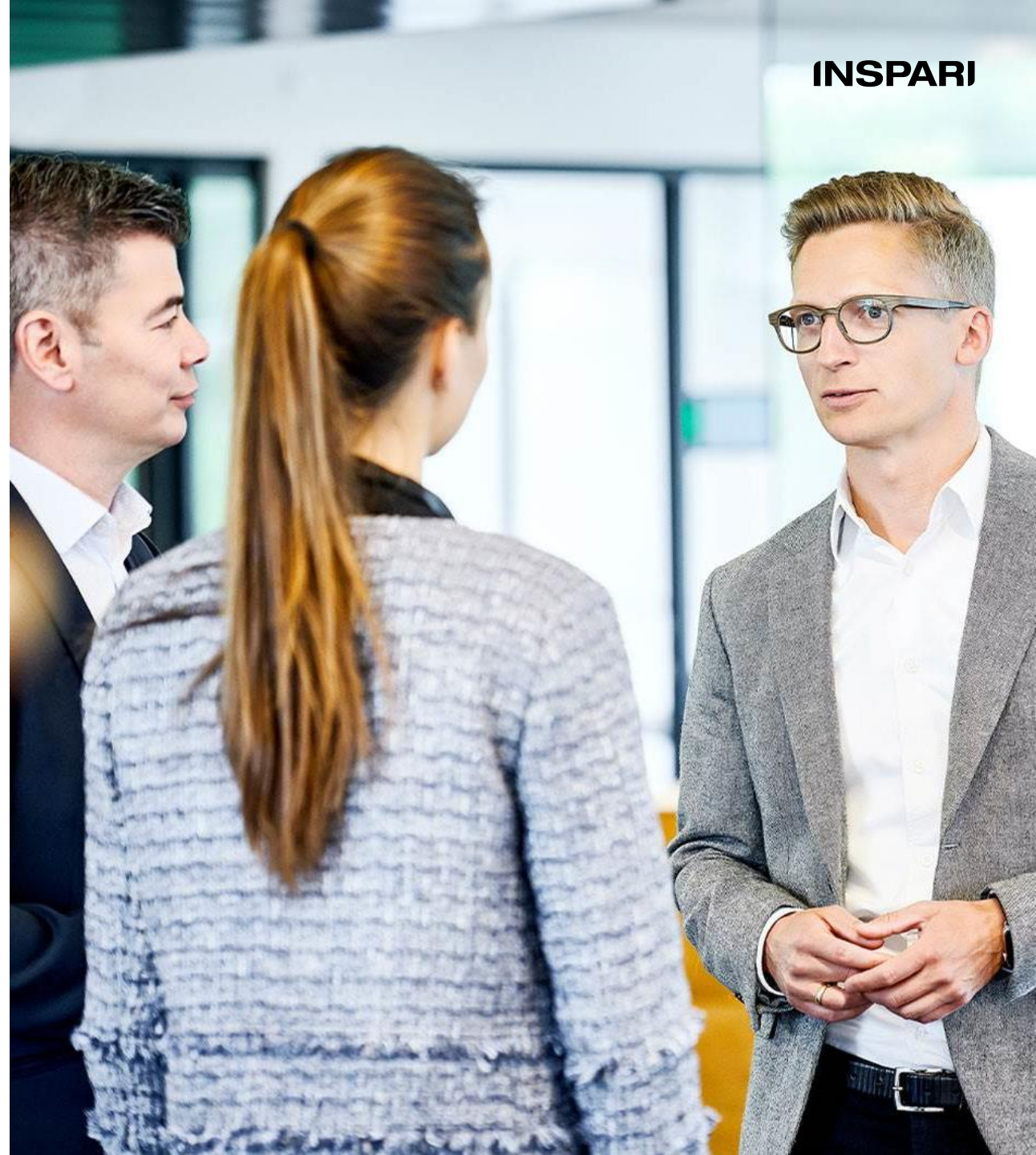
25M € in revenue

More than 800 customers

3 locations – yet always remote

Mission

**We empower  
decisions,  
actions and  
change  
through people  
and data**



**Data Value  
Guaranteed**

**Dedicated  
Business Solutions**

**Best team  
in the business**

**Microsoft first  
Cloud only**

**Nye tider**

# Actify Smart Building

Optimizing your buildings with data

# BMS solutions

The screenshot displays the Siemens BMS (Building Management System) interface. At the top, there is a status bar with emergency levels: Emergency, Life Safety, Security, Supervisory, Trouble (highlighted in orange), Medium, Low, 0/4 Fault, and 0/1 Status. The main area shows a control diagram for 'Design CC District' with various components like pumps and valves. Below the diagram is a 'Setting: Shuntability control' table.

Parameter	Value
0.04	0.010
0.24	0.010

At the bottom, there are sections for 'Operation' and 'Detailed Status'. The 'Operation' section includes a 'Find selector' table:

Value	Alarm
Alarm Action	No Normal To Fault
Out Of Service	In Service

The 'Detailed Status' section lists components like 'Supplies' and 'Operating Procedure'.





## SPACE UTILISATION

Get the most out of your square meters



## ENERGY OPTIMISATION 20%

Cool and heat only occupied areas



## EMPLOYEE WELLBEING 15%

A great indoor climate drives higher performance



40%

# Den grønne agenda med bygninger som udgangspunkt

Energiforbrug / CO2



KVM optimering



Indeklima

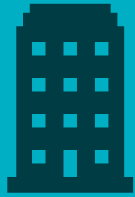


Rengøring / Kantine / madspild



# Energikrise





## **SPACE UTILISATION**

Get the most out of your square meters



## **ENERGY OPTIMISATION 20%**

Cool and heat only occupied areas

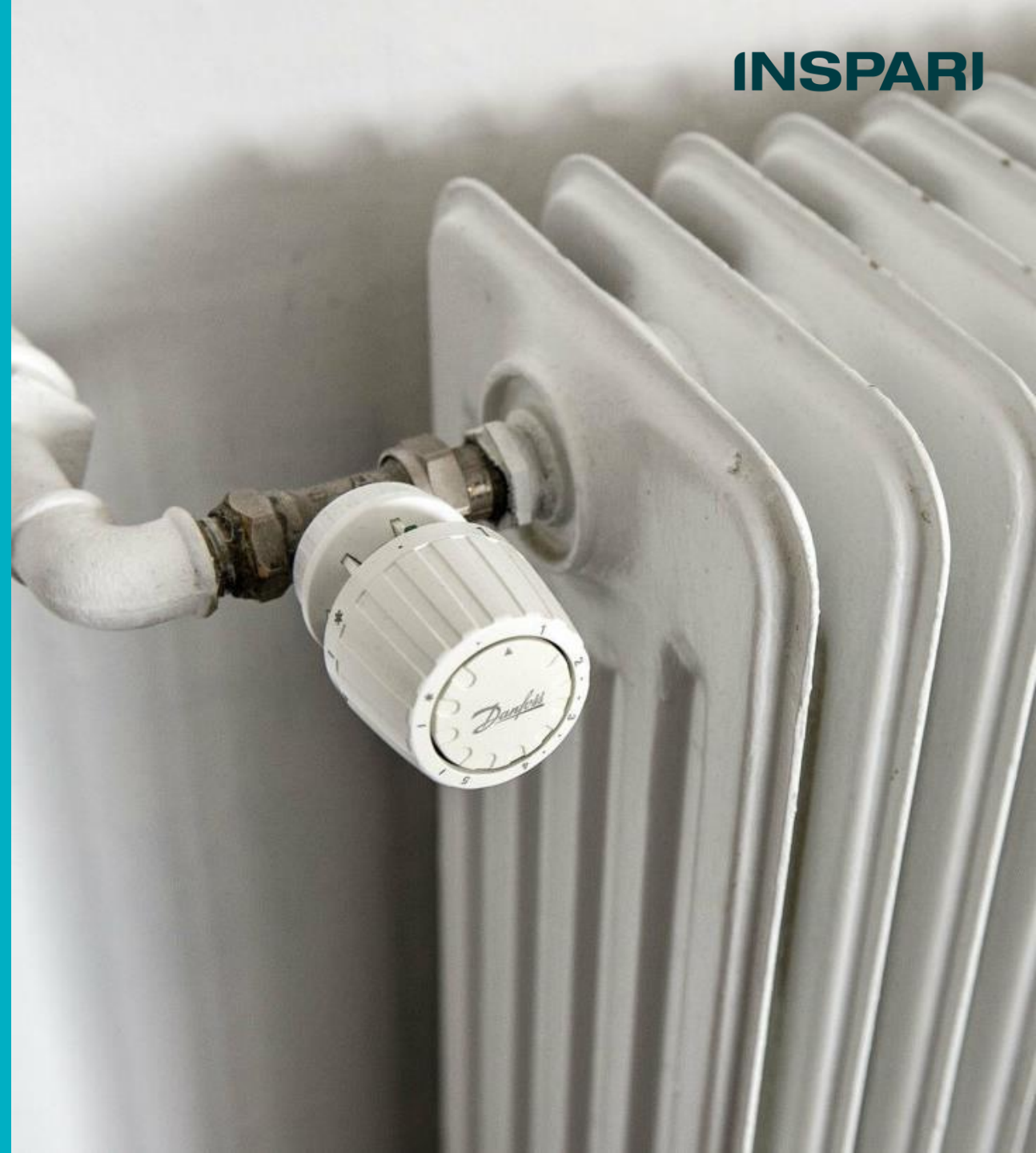


## **EMPLOYEE WELLBEING 15%**

A great indoor climate drives higher performance

# 19 grader syndromet

INSPARI

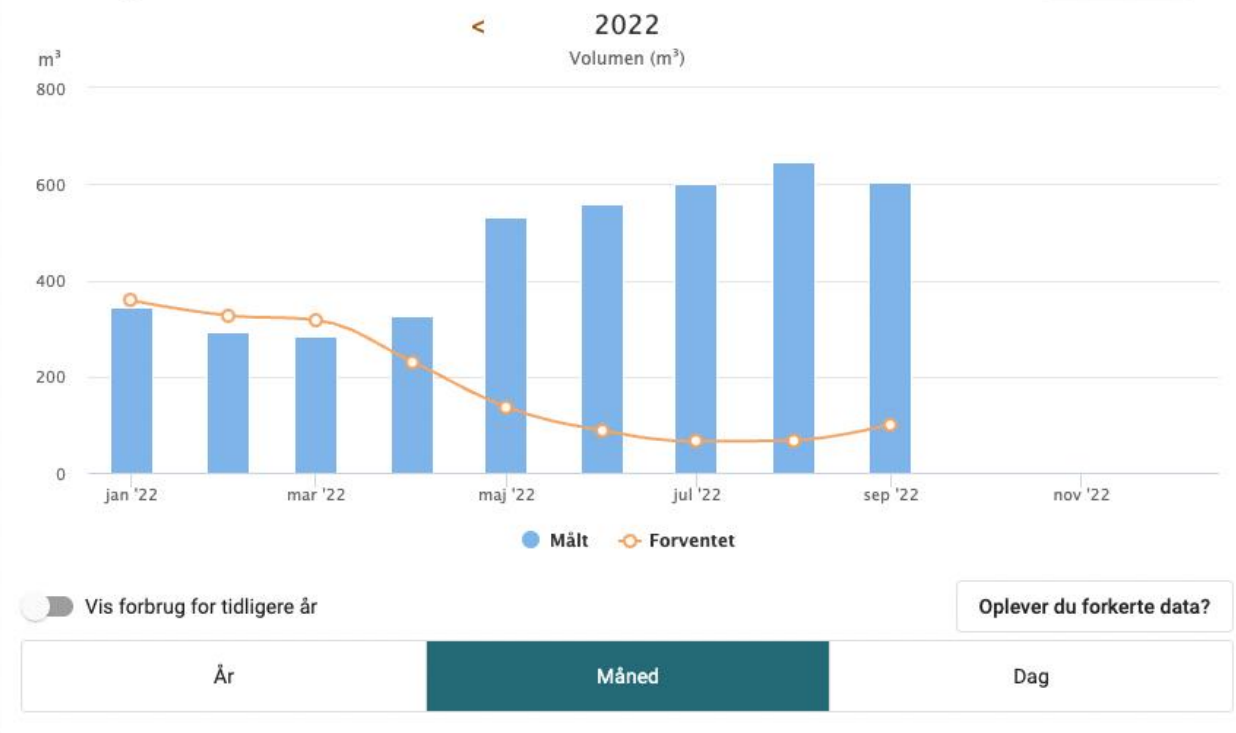


# Datadrevne indsigter

Lad os starte med at få data på bordet, så vi kan handle ud fra realiteter

# Case

## Forbrug



## Temperatur





**Hej Jesper**

**Det er jo virkelig brugbar viden. TAK for det.**

**Jeg tager fat i vores VVS'er med det samme og undersøger sagen.**

**Super fede data og virkelig brugbart ifht. indsigt og justeringer ifht. både besparelser og kloge og data baserede beslutninger og bæredygtige tiltag.**

**Du hører nærmere.**





**Der var en defekt kontraventil i mellem fremløb og retur som gjorde, at fremløbet susede lige igennem.**

**Det er nu fikset ;-D**

**God dag til jer alle.**

# Data eksempler



Jess Lassen  
Product Lead

Device ID: 121020-65196384

⬅️ BACK EDIT



Name	65196384
Device Id	121020-65196384
Type	Kamstrup Multical 601
Space	Skæringvej 88
Enabled	<span style="color: green;">✔️</span>

Device not pinned on map

Dashboards

Reports

Actions

Topology

Integrations

Maps

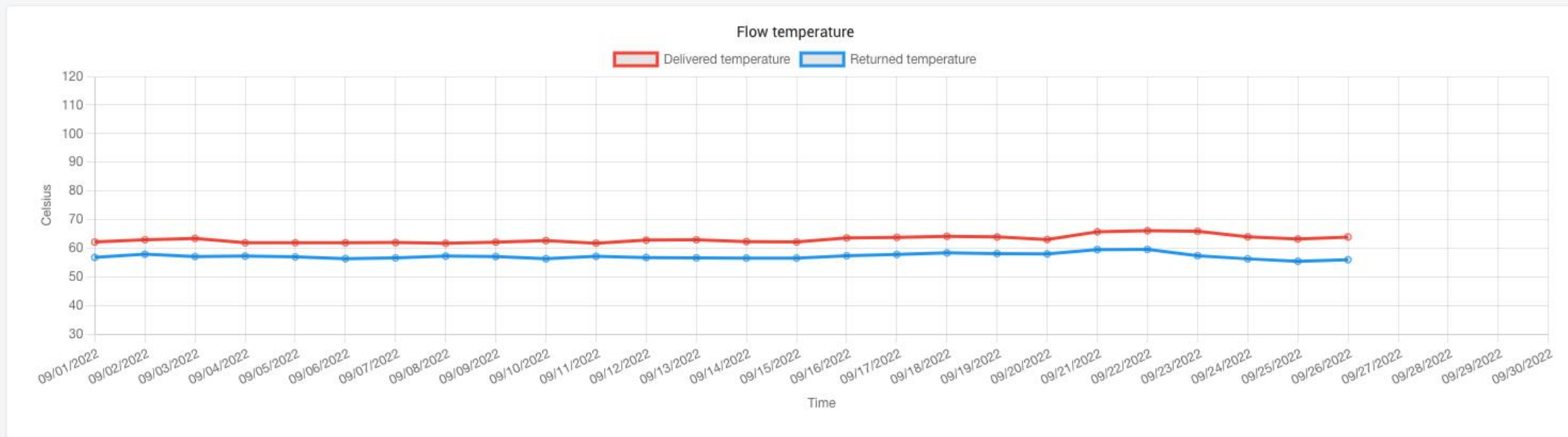
Devices

Settings

Success Portal

Device Data

< September - 2022 > MONTH WEEK DAY





ext Jess Lassen  
Konsulent

Dashboards / Space Utilization

< August - 2022 >

MONTH WEEK DAY

Selected Building: HQ - Blok 1

Total Unique 👤

# 1004

Static devices are automatically excluded

Hourly Average ➔

# 37

Working Hours (Mon - Fri, 06 - 17)

Hourly Peak 📈

# 110

Building Capacity: 100

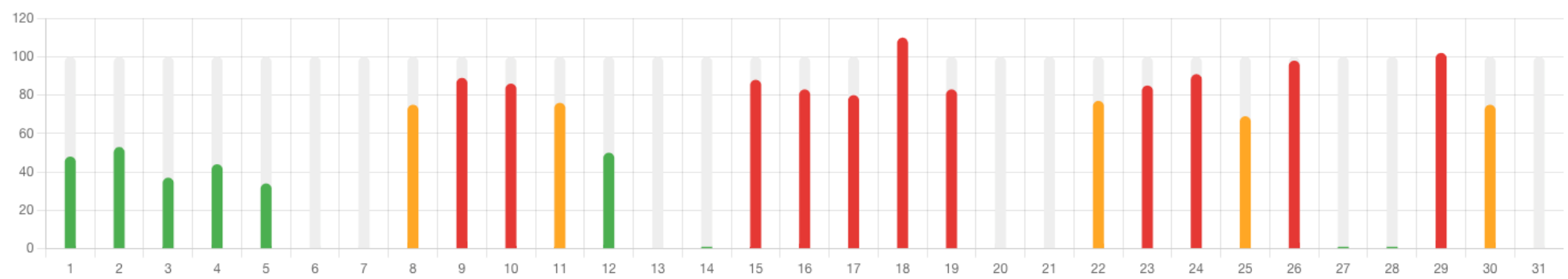
Hourly Lowest 📉

# 0

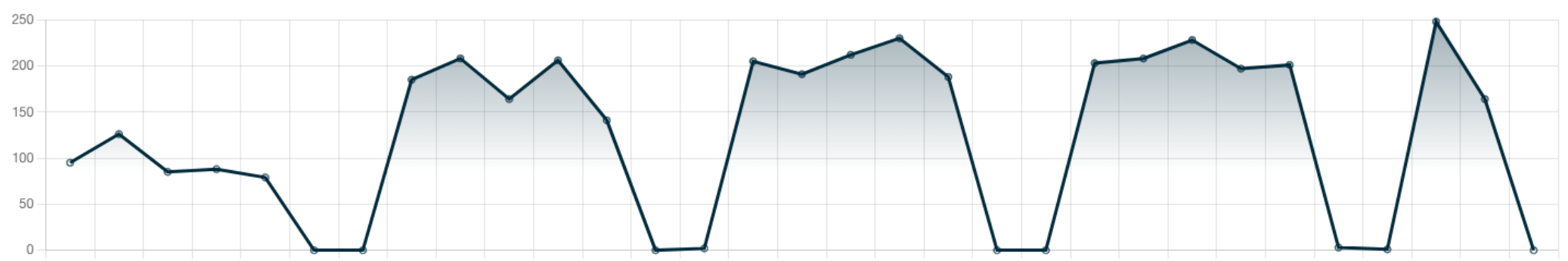
Building Capacity: 100

- 📄 Dashboards
- 📊 Reports
- 👤 Actions
- 🌐 Topology
- 🔗 Integrations
- 📖 Maps
- 📱 Devices
- ⚙️ Settings
- 🗣️ Success Portal

Capacity Utilization



Daily Total Unique

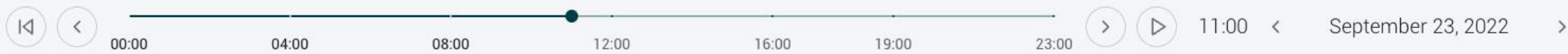




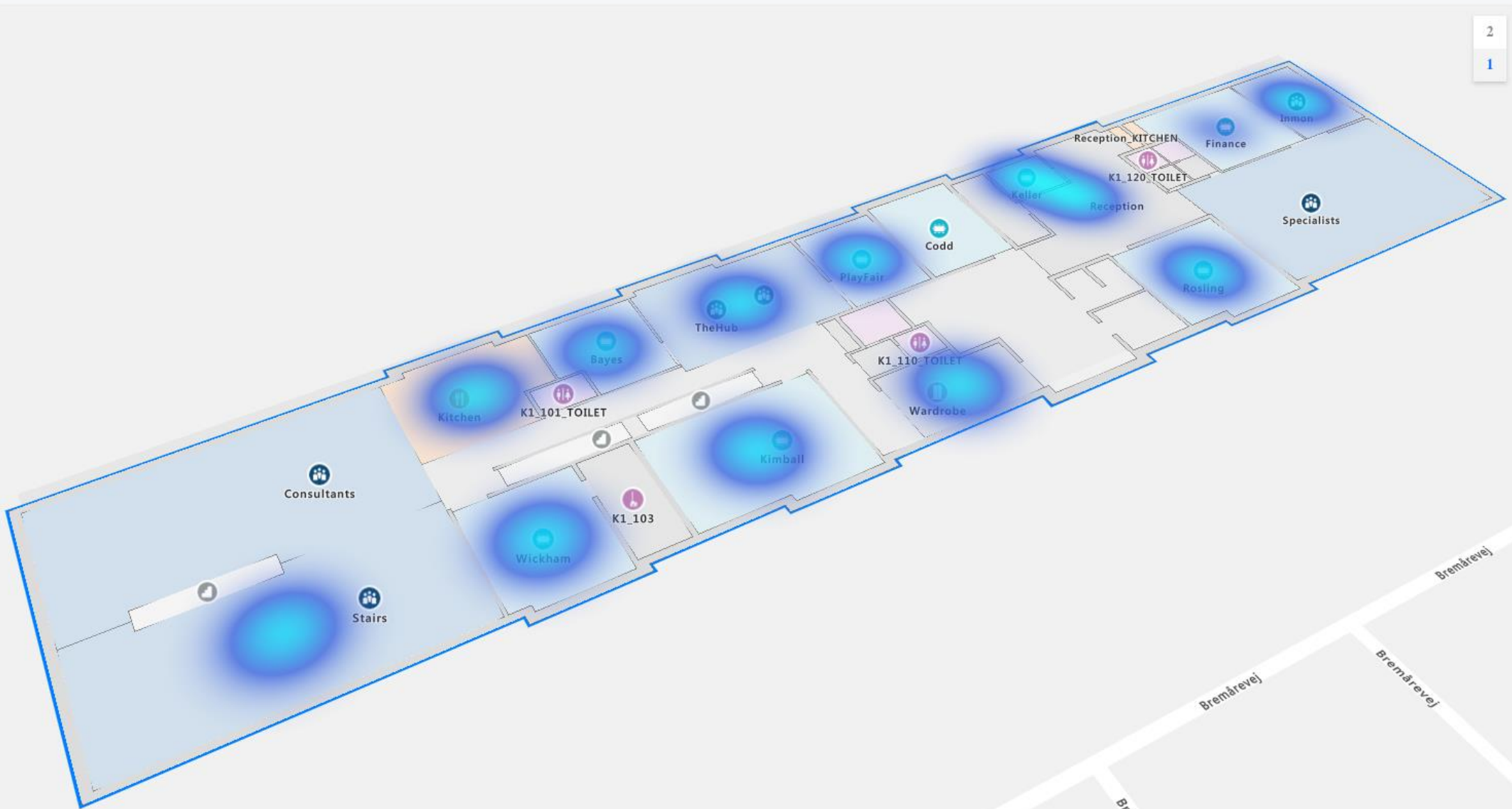
Jess Lassen  
Product Lead

Building: Skæringvej 88

○ None ○ Temperature ○ Humidity ○ CO<sub>2</sub> ● Occupancy ○ Lux ○ Availability ← BACK



- 📊 Dashboards
- 📈 Reports
- 📌 Actions
- 🌐 Topology
- 🔗 Integrations
- 📖 Maps
- ☰ List
- 📱 Devices
- ⚙️ Settings
- 🗣️ Success Portal



2  
1

Bremårevej  
Bremårevej  
Bremårevej



Jess Lassen  
Product Lead

Dashboards / Energy

< September - 2022 >

YEAR

MONTH

WEEK

Selected Building: **Skæringvej 88** ✕

📊 Dashboards

📑 Reports

📈 Actions

🌐 Topology

🔗 Integrations

📖 Maps

📱 Devices

⚙️ Settings

👤 Success Portal

Electricity



**12.346** DKK

Down compared to previous month (2.4)



Heating



**3.8** MWh ↑ 13.0%

Up compared to previous month (3.4)

Co2



**229.8** Kg

Down compared to previous month (281.2)

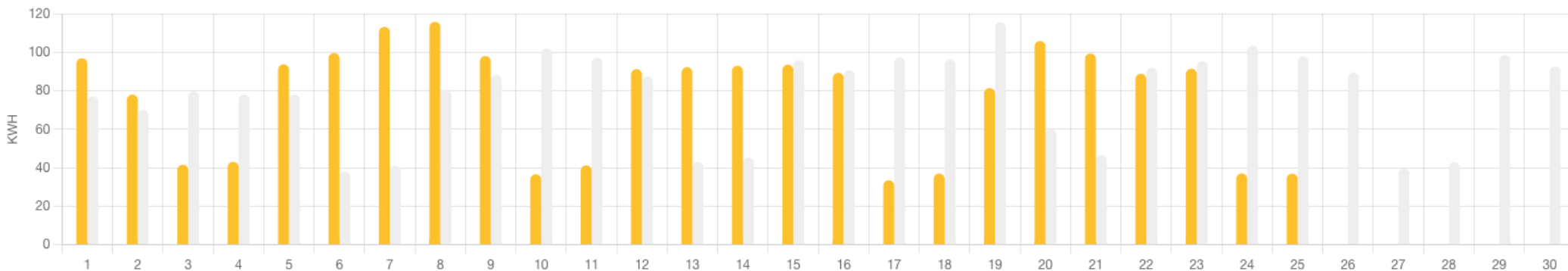
Recommendations



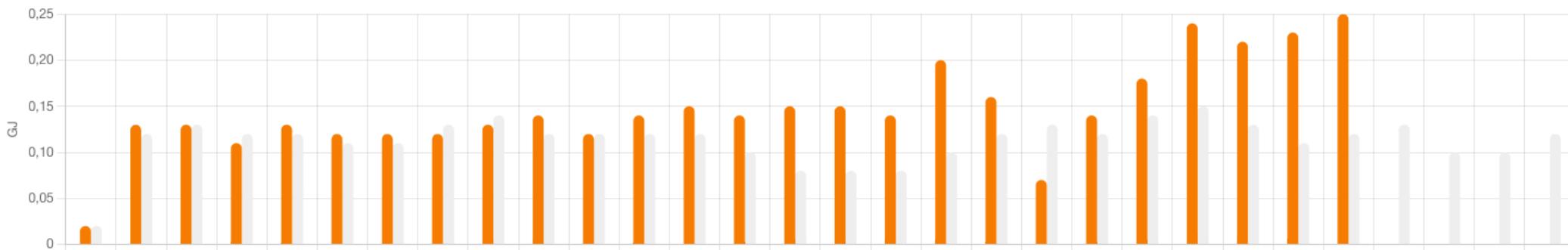
**24** (1 finished. 3 in progress)

[See recommendations >](#)

Electricity consumption



Heating consumption





Jess Lassen  
Product Lead

📊 Dashboards

📈 Reports

📌 Actions

🌐 Topology

🔗 Integrations

📖 Maps

📱 Devices

⚙️ Settings

👤 Success Portal

Recommendations / Energy

Name	Priority	Progress
Abnormal high return temperature detected in Building 14	High	75% <div style="width: 75%;"></div>
Lux level detected after closing hours on 2. floor in Building 3	Medium	50% <div style="width: 50%;"></div>
Building 5 monthly energy is up 14% compared to last year	Low	25% <div style="width: 25%;"></div>

Name	Priority	Progress
11°C difference in flow temperature in Building 7	High	0% <div style="width: 0%;"></div>
Lux level detected after closing hours on 2. floor in Building 3	Medium	0% <div style="width: 0%;"></div>
12 meeting rooms have been 30% underutilized in Building 4	Low	0% <div style="width: 0%;"></div>
High CO2 levels detected in 2 rooms in Building 7	Low	0% <div style="width: 0%;"></div>
Noise levels are above average in 13 rooms in Building 11	Low	0% <div style="width: 0%;"></div>
People count in below 50% of capacity in Building 13	Low	0% <div style="width: 0%;"></div>
Electricity Mwh usage is above threshold value in Building 5	High	0% <div style="width: 0%;"></div>
Electricity Mwh usage is above 50% in weekends in Building 14	High	0% <div style="width: 0%;"></div>

Name	Priority	Progress
Abnormal high return Water usage detected in Building 8	High	100% <div style="width: 100%;"></div>

# ESG



## ESG rapportering

Systemet er et værktøj til at indhente, analysere og måle vigtige og udvalgte KPI'er indenfor environment, social og governance.

Vi forbinder dine data til KPI'er ud fra vores integrationer. Til KPI'er uden integration er der mulighed for indtastning i en brugervenlig grænseflade.



## Klimaregnskab

Vores model for at beregne CO2-udslip er baseret på den internationale standard Greenhouse Gas Protocol (GHG-protokollen) med opslag i globale og anerkendte databaser for emissionfaktorer.



## Datamodel til Power BI

Med en integreret platform har du adgang til al ESG og klimadata i en datamodel. Hvis du har specifikke behov eller er analytisk nysgerrig, kan du designe dine egne Power Platform løsninger eller bruge web-apps.





Jess Lassen  
Product Lead

Dashboards / ESG

< July - 2022 >

YEAR

MONTH

WEEK

Selected Building: **Skæringvej 88** ✕

📊 Dashboards

📈 Reports

📄 Actions

🌐 Topology

🔗 Integrations

📖 Maps

📱 Devices

⚙️ Settings

👤 Success Portal

Electricity



**1.9 Mwh** ↓ 15.8%

Down compared to previous month (2.3)



Heating



**6.2 GJ** ↓ 25.4%

Down compared to previous month (8.3)



Water



No data available

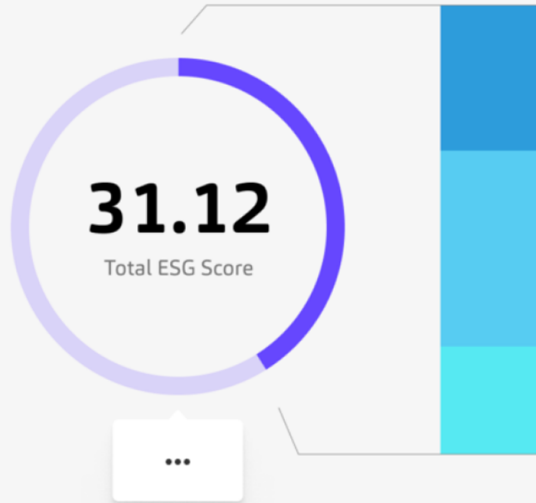
Co2



**231.4 Kg**

Down compared to previous month (275.0)

### Total Score



ESG Score

Score: 53.89

- **Environmental**  
Score: 58.73
- **Social**  
Score: 61.23
- **Governance**  
Score: 37.99

### Benchmark Comparison

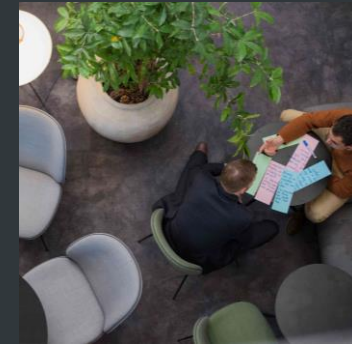
[View All Benchmarks](#)

Dow Jones vs Portfolio



# HELLO, WE'RE IMPLEMENT!

Fra en historisk bygning til en  
smart building



# ANDREAS RIISE OLCZYK

Head of Intelligence Hub

**IMPLEMENT**  
CONSULTING GROUP\_



# IMPLEMENT

CONSULTING GROUP\_

We have **local Roots** and a **global perspective**

- driving **human friendly** transformation projects



Grundlagt  
i **1996**



**Partnerejet**



Gen.  
CAGR på **20%**



11 kontorer,  
globale projekter

**INSPARI**



# Den oprindelige ide med at bruge **Actify Smart Building**

20% vækst i headcount

+

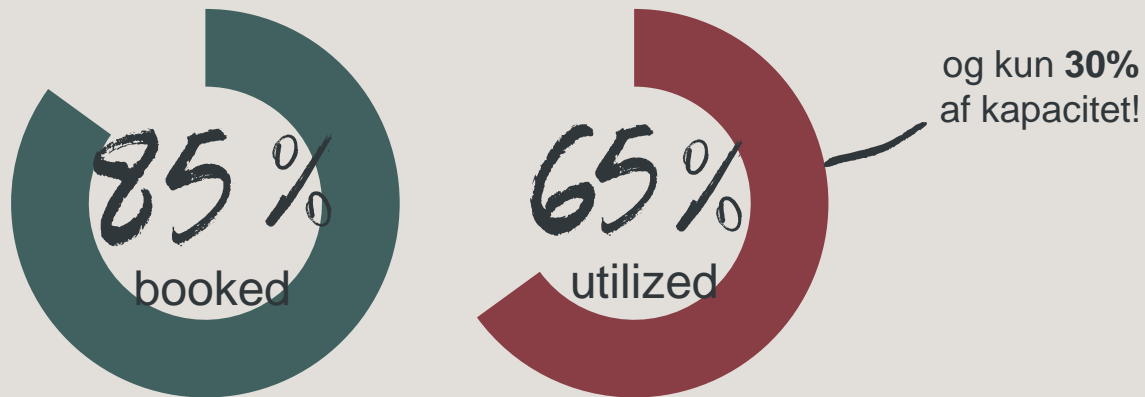
0% vækst i kontorplads

=

450% vækst i brugen af eksterne mødelokaler

# Så vi installerede IoT devices i alle mødelokaler

- de registrerer bevægelse, temperatur, lys og luftkvalitet



## Findings

- Folk benyttede ikke de mødelokaler de havde booket
- Mødelokaler booket en hel dag blev kun benyttet nogle timer
- Det var et behov for mindre mødelokaler

## Actions

- Vi sender nu proaktivt en SMS til alle som har booket et mødelokale
- Vi har investeret i telefonbokse i stedet for at bruge eksterne mødelokaler

# Men vi ville gerne tage det et skridt videre...

## ... så vi installerede 200 intelligent Ally™ Radiator Thermostats



**IMPLEMENT** | Actify Smart Building

Andreas Riise Olczyk - Implement Consulting Group

Selected Space: **Copenhagen**

**Temperature**

- Warm
- OK
- Cold
- Unknown

**Humidity**

- High
- OK
- Low
- Unknown

**Co2**

- High
- OK
- Unknown

**Current Weather**

**12.8°C**

Humidity 76.3 %  
Wind Speed 4.5 ms  
Wind Direction ↘

**Warmest and coldest rooms**

Room	Temperature (°C)
Marx (6) - Studio (Mini) - SV56-2	22
Big (300) - SV56-2	22
Open Office (Finance)	22
Impact Office	22
IT Call Room	18
Wallace (8) - Studio (Mini)	18
Stacey (8) - SV54-2	18
Stacey (8) - SV54-0	18
Penrose (8) - SV54-0	18
Kirkpatrick (24) - Studio (Mini) - SV54-2	18
Gladwell II (6) - Studio (Mini) - SV56-1	10


**Rooms with highest Co2 levels**

Room	Co2 Level
Wang (8) - SV54-0	450
Stacey (8) - SV54-0	450

# Men vi ville gerne tage det et skridt videre...

## ... så vi installerede 200 intelligent Ally™ Radiator Thermostats

Heating at our offices in DK

 Niels Ahrengot - Implement Consulting Group  
To: All-DK

ti 20-09-2022 20:13

Reply Reply All Forward

Dear all

As announced at the Friday meeting at Bremen, we will of course contribute to saving energy where we can along with public workplaces in Denmark.  
This means that the temperature at our offices will be set to 19 degrees until the energy crisis is over.

As always, you plan your own work and you can choose to work from home, if you want to – or you can wear warm clothes.

We are helpers, and as such, we will do our part of what it takes to get through the winter.

Figure it out 😊  
Niels

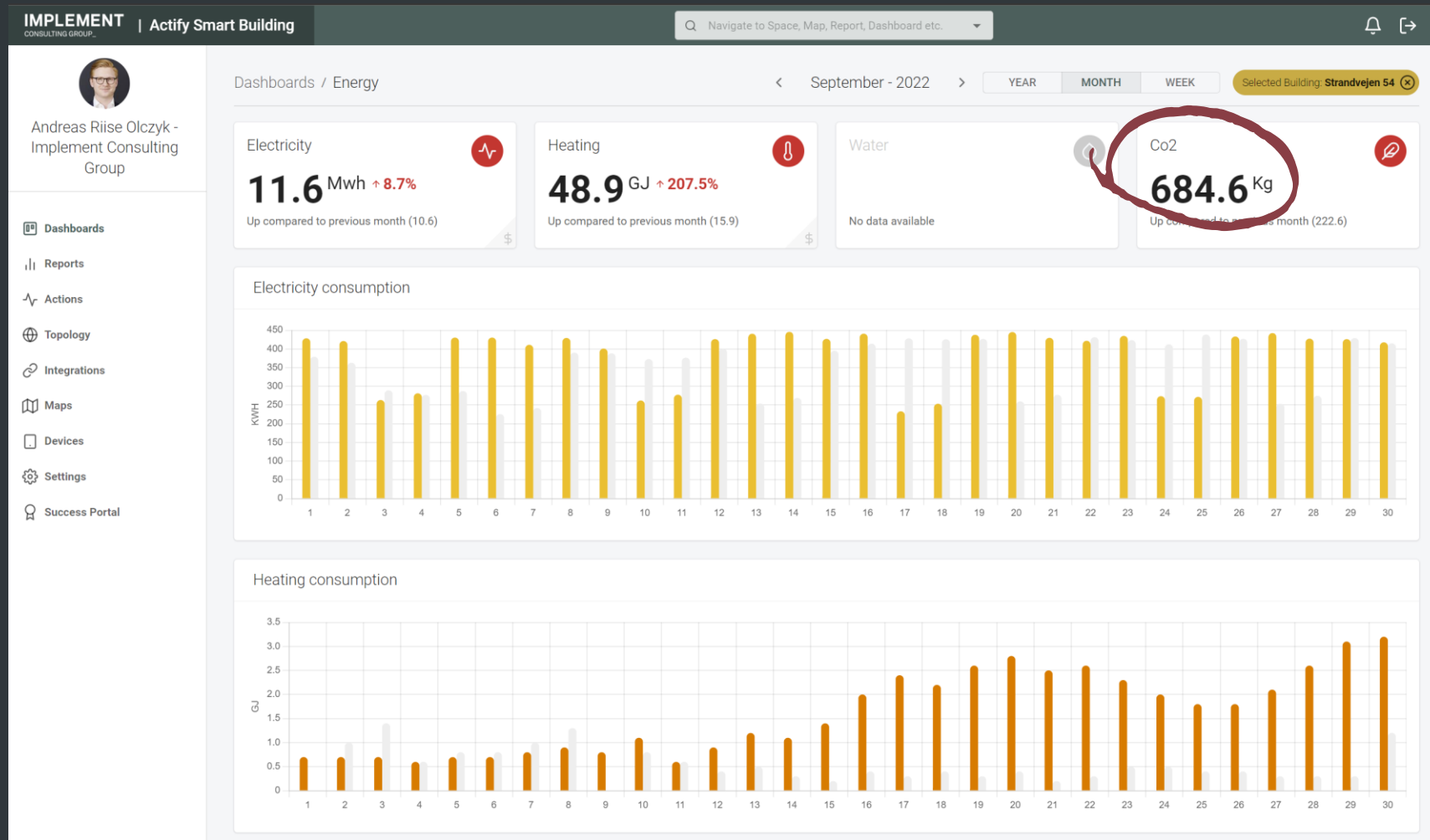
Niels Ahrengot  
+45 2288 8888 | n.ahrengot@implement.dk

**IMPLEMENT**  
CONSULTING GROUP\_



# Men vi ville gerne tage det et skridt videre...

## ... så vi begyndte at indhente energidata fra vores leverandører



# Vi har udvidet vores scope og kigger nu på al emission

### CO2 Emissions

Rolling 12 mth.

**Office**

- Gothenburg
- Hamburg
- Hellerup
- Malmö
- Munich

**Practice**

- BIZOPS
- BP
- CCOM
- COMEX
- COMGROW
- DT

**CoP**

- Agil transformation
- Agile & Innovation
- Agile Organisations
- Arkitektur & Kvalitets...
- Brainfriendly Impact
- BUILDING COMME...
- CAPEX

Search Customer:

Search Project:

### Employee Overview

Emission per employee (kg.): **2,799**

#### CO2 emissions per employee

The speedometer is based on our yearly goal per employee. Lower is better. Green is great. Yellow is decent. Red should fuel change.

#### CO2 emissions per employee development

#### CO2 emission per employee by practice

Practice	Emission per employee	CO2 Emission	Employees
IBT	8,322	116,511	15
OPS STRAT	3,859	451,538	117
SIE	3,848	230,907	60
STRATEGY	3,662	278,330	77
COMEX	3,426	195,278	57
LEAD	3,292	266,671	82
BIZOPS	3,238	278,475	87
BP	3,218	160,917	52
DI ANEX	3,153	372,048	118
<b>Total</b>	<b>2,799</b>	<b>3,131,581</b>	<b>1,128</b>

### IMPLEMENT Overview

Total emissions (kg.): **3,131,581**

#### Total emissions vs. employee headcount

#### Revenue (DKK) per kg CO2 emitted

**This is our main KPI:** We want the revenue per KG CO2e to be as high as possible. The target is more than 400 DKK per KG CO2e emitted.

#### CO2 by Emission Source

Flight KM: 9,792,269
Hotel Nights: 16,345
Meals: 93,691

### Client Overview

Top 10 clients emission (kg.): **1,557,7...**  
Amounting to **50%** of total emissions.

#### CO2 by client

#### Top 10 CO2 by client country

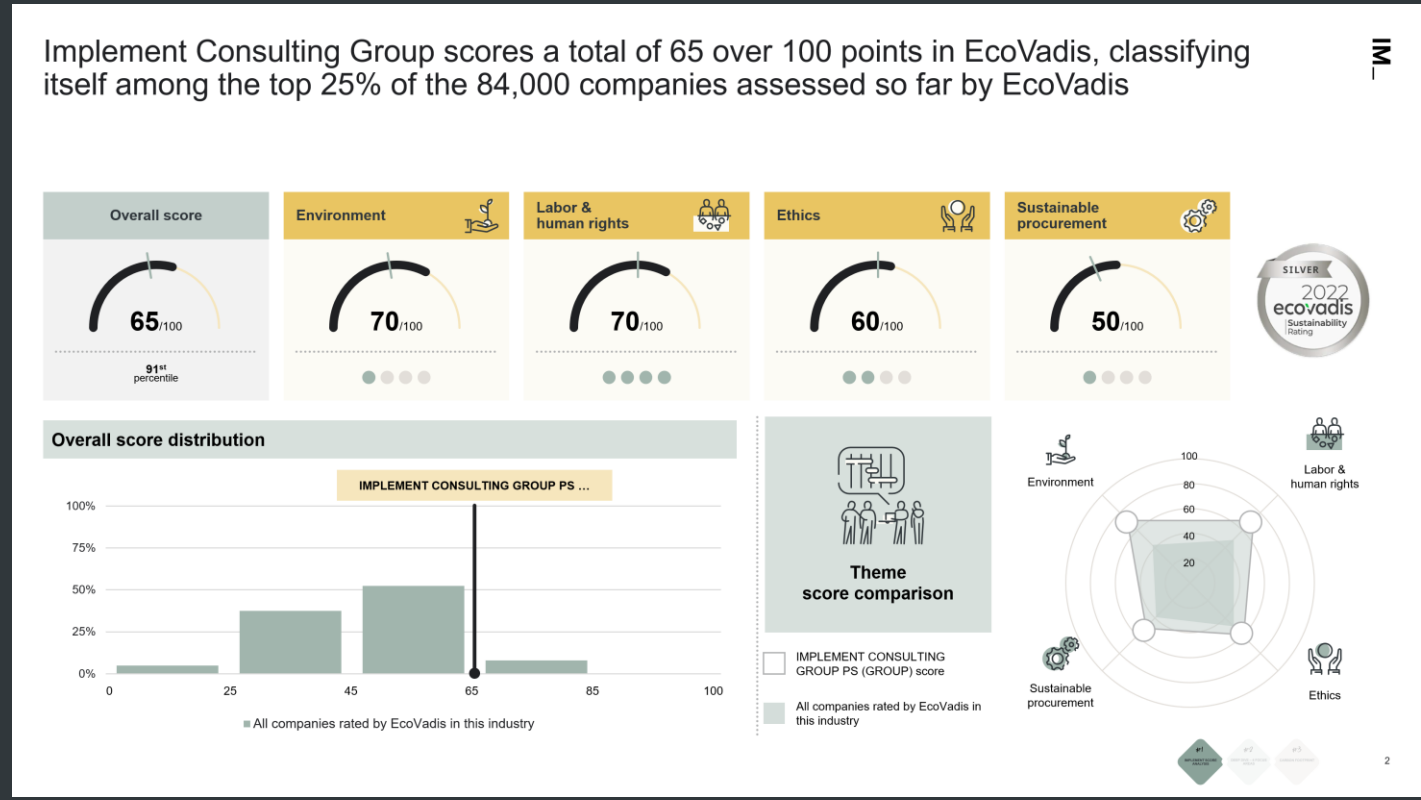
#### CO2 emission per project

Project	Client	CO2 Emission	CO2 pr. employee	Revenue/CO2
650010015 - CX-Highway	Advance Auto Parts, Inc.	103,239	92.3	22
41010834 - Strategy definition & execution projektnummer 1002	LERØY SEAFOOD GROUP	81,333	72.7	153
650010028 - Project Galaxy PMO Mgmt 2022-23 (PO 4700000042)	FUJIFILM Diosynth Biotechnologies U.S.A., Inc.	61,975	55.4	51
91510017 - Heimdal aka Acorn	DYNATEC MADAGASCAR SA	36,649	32.8	56
31949 - Global Operating	Falck Danmark A/S	30,655	27.4	184
<b>Total</b>		<b>2,391,679</b>	<b>2,137.3</b>	<b>615</b>

- Kontorer
- Hoteller
- Transport
- Måltider
- Flyrejser

# Actify Smart Building accelererede Implements ESG rapportering og -indsats

- Fordi klimaudfordringer er den største **globale krise** vi står overfor lige nu
- Fordi vi som virksomhed gerne vil tage **ansvar**
- Fordi vi ikke kan rådgive kunder om brugen af energidata uden at **"tage vores egen medicin"**



# Actify Smart Building accelererede Implements **ESG** rapportering

→ I Implement har vi committed  
os til at blive **CO2e neutrale**  
**senest i 2050** og er en del af  
SBTi



**TAK!**

**WE ARE HIRING!**  
See more at  
[ImplementConsultingGroup.com](http://ImplementConsultingGroup.com)

Leading people – leading business

**INSPARI**



# Thank you

Contact: [info@inspari.dk](mailto:info@inspari.dk)