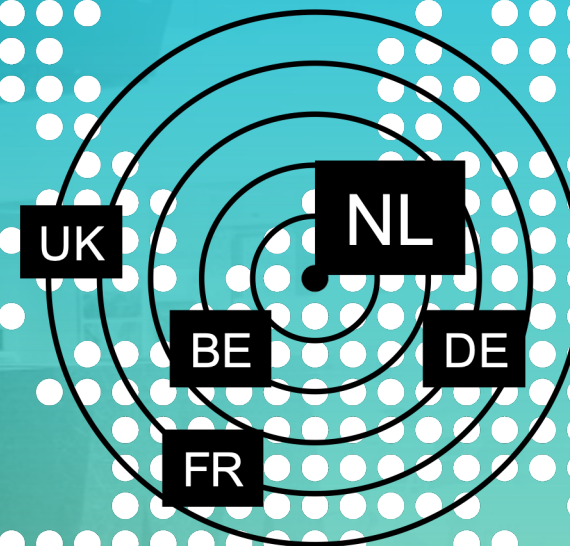


WELCOME!
Directors Community
May 19, 2022

Brightlands Chemelot Campus

Breeding ground for science and innovation
in materials, chemistry and biomedical solutions



Welcome!

Agenda

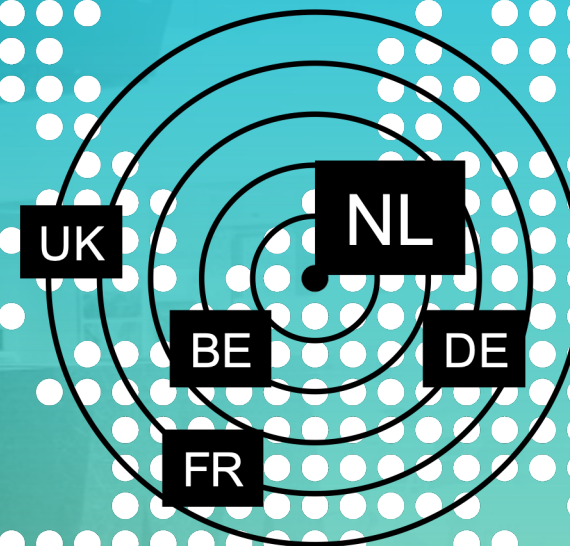
- 08.00 Welcome by Astrid Verberne, Community Development Manager
- 08.05 News from campus by Bert Kip, CEO Brightlands Chemelot Campus
- 08.15 *“Company Pitch”* by Michael Boot, CEO at Vertoro
- 08.30 *“What’s on the innovation agenda?”* by Frank Kuijpers, Manager Corporate Sustainability at SABIC
- 08.45 Questions & Answers
- 09.00 Networking
- 09.30 Closure



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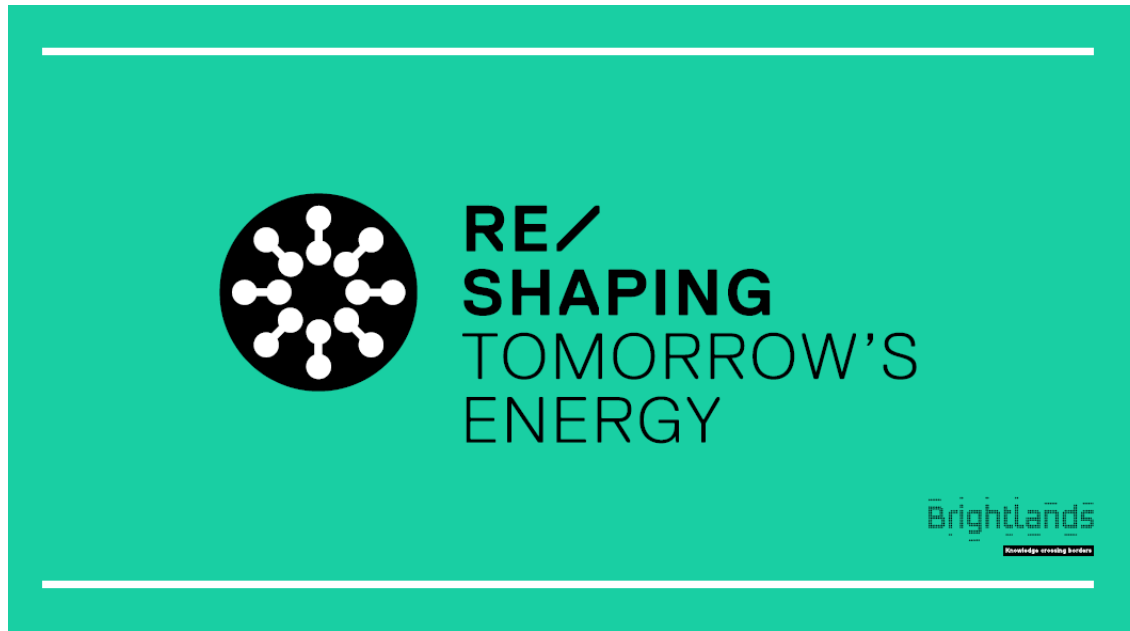
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Campus Energy Project

Objectives 2026



❑ **Energy Savings:** 50%, compared with end 2018

-> kpi: **4,15** KWH/M2, per month

❑ **CO2 Footprint reduction:** 90%, compared with end 2018

-> KPI: **51,76** ton/month

Campus Energy Project

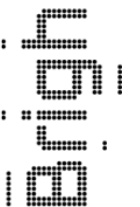
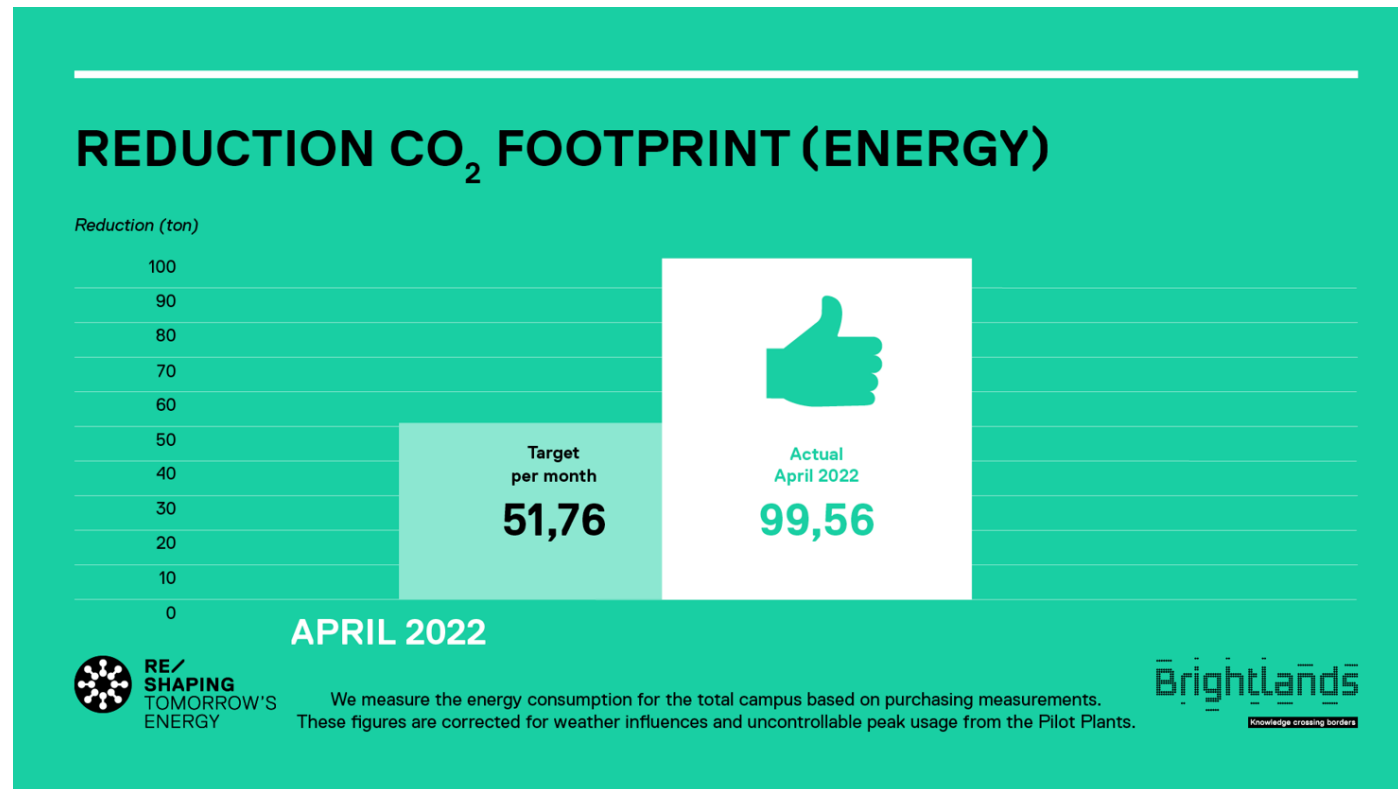
Activities so far (Program Line 1 & 2)

- ✓ Optimization of the software, in the GBS
 - 1-1n-4, 5, 6, 17, 40, 45, 94, 160, 170, 200, 220, 240.
 - The optimization differs per building and air handling unit, in relationship and context of the area
- ✓ In general: heating (CV) and cooling (GWK) of buildings is made dependent on the temperature outside
- ✓ The blow-in temperature is adapted (higher in summer, lower in winter)
- ✓ The air volumes of the ventilation have a day and night mode
- ✓ Lighting is switched off outside office hours
- ✓ In addition: a number of unused fume cupboards have been switched off

Campus Energy Project

The results | APRIL: reduction CO₂ Footprint

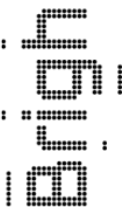
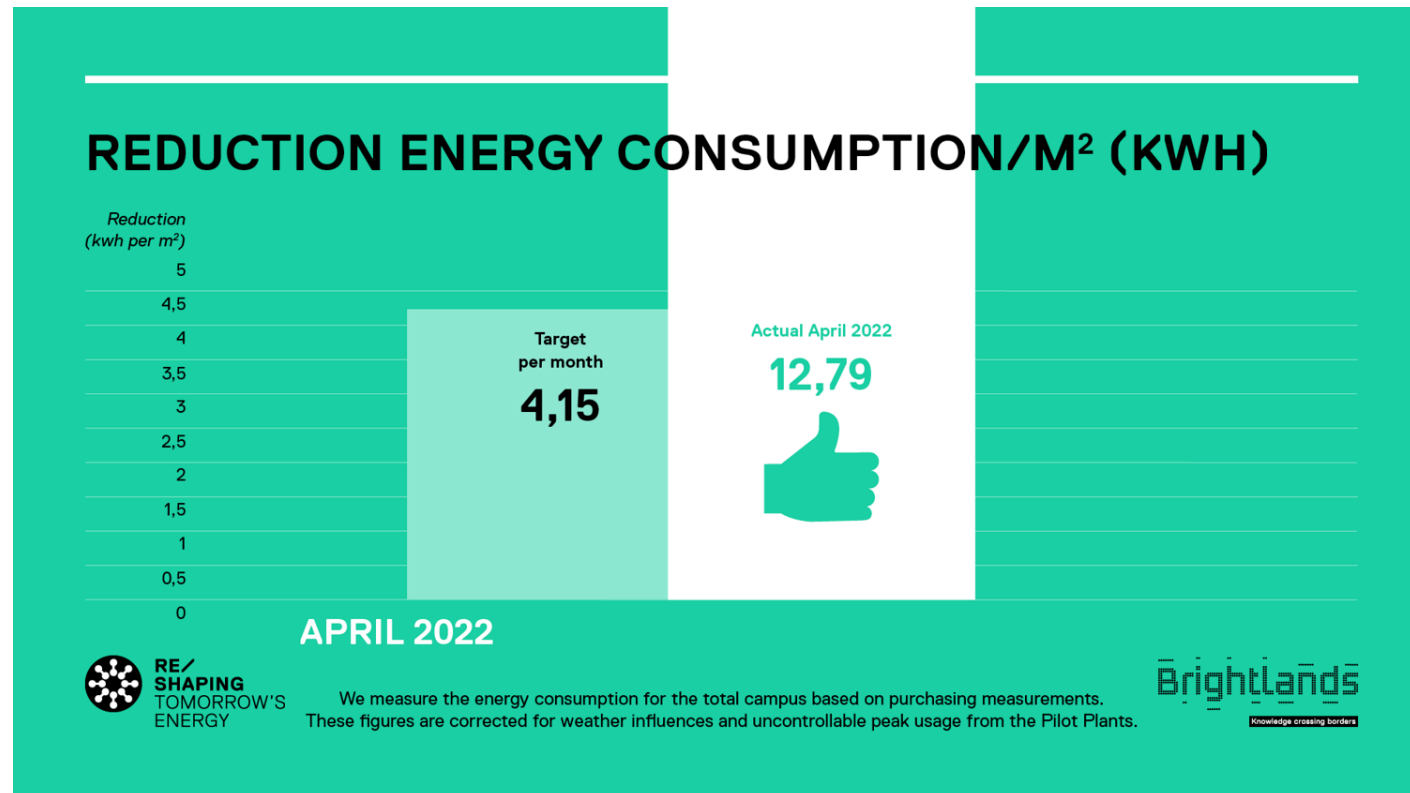
- ✓ The monthly updates will be shared in the campus newsletter, on the narrowcasting screens and in this Directors Community



Campus Energy Project

The results | APRIL: reduction KWH/M2

- ✓ The monthly updates will be shared in the campus newsletter, on the narrowcasting screens and in this Directors Community



Campus Energy Project

Activities so far

The following Buildings are optimized last March and April (date: April 19):

122-001	READY
122-001N	READY
122-004	READY
122-006	READY
122-005	READY
111-017	READY
122-026	No action necessary
122-040	READY
122-045	READY
122-050	No action necessary
111-160	READY
122-094	READY
200.	READY

122-170	Week 17
121-220	Week 18
121-240	Week 19

The planning for optimization of the next buildings*

122-093	Week 20
122-025	Week 21
122-046	Week 22
122-047	Week 23
121-250	Week 24

* Please notice that those dates are an indication. Actual start date may differ and the lead time of 5 days is an average.

Campus Energy Project

Idea Box! Questions?

Do you have any good tips or ideas for us?

As the management of this campus, we are always looking for ways to improve. Send your suggestion to Ingeborg: ingeborg.voncken@brightlands.com. Thank you! We always try to respond within a week to let you know if and how we have made use of your idea.



Brightlands
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Brightlands

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Calendar Directors Community

Thursday, June 16

08-09.30h, Auditorium Center Court



What's on the innovation agenda?

Presentation by Harold van Melick

Director Additive Manufacturing at Covestro



Company Pitch

by Leo Smit

CEO at HY2Care

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