

Radboudumc

Vision for Climate-Smart Healthcare

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- Chair of **European Healthcare Climate Council (EHCC)**

- Quartermaster Sustainable Health Care commissioned by
Ministry of Health, Welfare and Sport

Radboudumc

Facts and figures

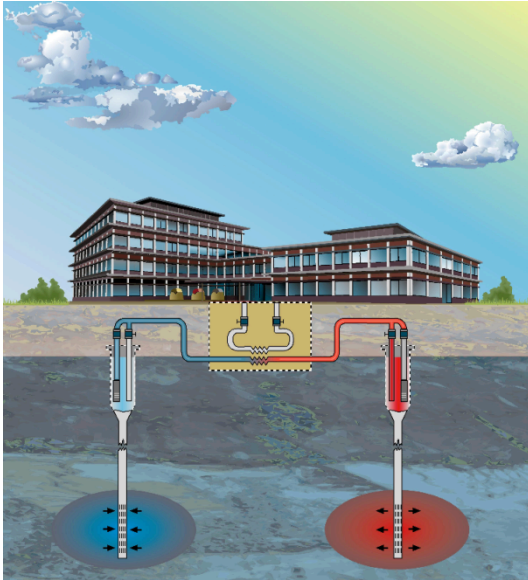
| | |
|-------------------------|----------------------------|
| Outpatient visits | 395.000 |
| Surgical procedures | 34.000 |
| Day care | 31.000 |
| Bed capacity | 600 |
| Employees | 11.000 |
| Students | 3.150 |
| Scientific publications | 3.480 |
| Dissertations | 201 |
| Revenues | approx. € 1 billion |



High Ambition

Achieve carbon neutrality across scopes 1 and 2 by 2030.

To reach energy neutrality in 2030



We study the possibilities of deploying

- Geothermal energy
- Energy from waste
- District heating

Synergy of Ambitions

An architectural rendering of a modern hospital building. The building features a central courtyard with green spaces and trees. The building has a multi-story structure with a grid-like facade. The rendering shows the building from an elevated perspective, highlighting its integration with the surrounding environment.

Smart building. 20% more energy efficient compared to rest of the campus

Reduction of 450.000² m to 380.000 m²

Materials used are identified in a database for future use

Use of green spaces, healing environment, biodiversity

Patient experience & journey are central

- Naturally reducing emissions through focusing on preventative care
 - Reducing the need for care
 - Ability to reduce the size of campus and on-site services

Vision for energy use



Energy:

- Gas usage reduced by 34% in 5 years
- Electricity usage reduced by 6% in 5 years
- Over 1000 solar panels on-site
- 100% renewable electricity from 2020
- Carbon neutral operation by 2030

- *Purchasing:*

- Recycled service clothing/uniforms



Food for Care concept

- Improving diets with energy enriched meals socializing meatless Mondays
- Reducing waste from **35% to less than 10% aiming for 5%**
 - Using coffee waste to grow oyster mushrooms
- Local products from local suppliers
- Purchase of sustainable, locally grown food not only reduces carbon footprint but also provide a source of income, health, and well being for community farmers.





Green Deal

Sustainable Healthcare for a Healthy Future

- Seeks to increase quality, accessibility and availability of healthcare while reducing the footprint of care
- Makes economical use of raw materials: make 'circularity' a criterion for all purchases of goods and services
- Dutch Green Deal on Sustainable Healthcare for a Healthy Future, was signed during CleanMed Europe 2018 on 10 October 2018 at Radboudumc by 132 parties - Growing now to 200 parties
- Accessible way for companies, other stakeholder organizations, local/ regional governments and interest groups to work with Central Government on green growth and social issues.



Dutch Green Deal on Sustainable Healthcare

Accelerate sustainability in the Health Care sector through activities related to **4 pillars**:

1. **CO2 emission reduction**
2. Circular economy & sustainable procurement
3. Pharmaceutical residues off water
4. A healthy living environment



WHO Ostrava Declaration

- Radboudumc is committed to help implement the National Portfolio for Action on the Environment and Health in the Netherlands
- The WHO Ostrava Declaration commits MS to increase the environmental sustainability of health systems and reduce their environmental impact among others
- NL aims to achieve this objective through the Green Deal on Sustainable Healthcare for a Healthy Future.

**...time to make healthcare & climate change
inseparable**

**...time to connect healthcare leadership with healthcare
professionals**

Thank you for your attention!

