



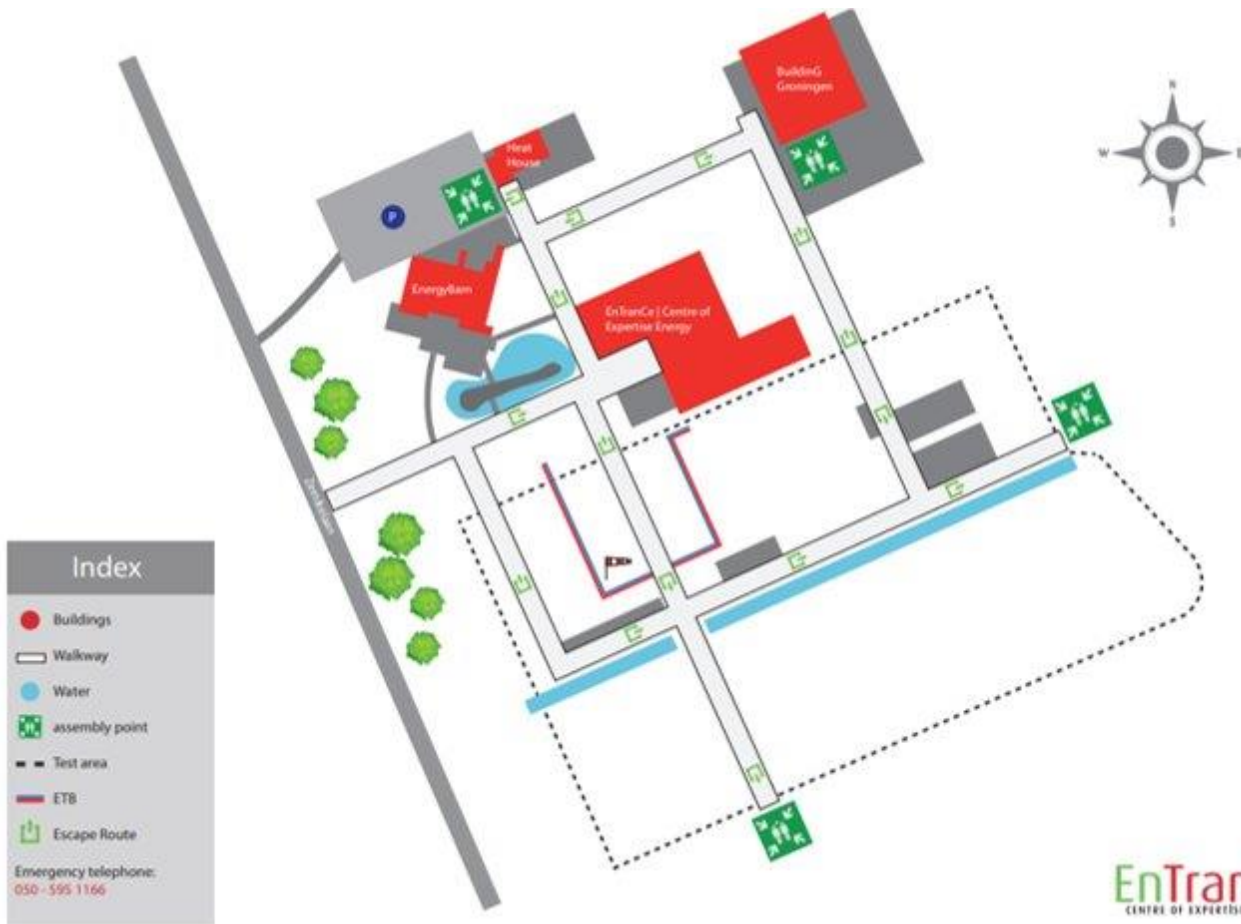
## EnTranCe: Centre of Expertise Energy

*“If we want things to stay as they are, things will have to change.”*

**Jan-jaap Aué, Dean Centre of Expertise Energy**  
**Marcel Koenis, Director Business Development**



**share** your talent. **move** the world.



Centre of Expertise Energy

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## agenda

Short introduction to Hanze University of Applied Sciences,  
Dick Pouwels, president of the board

Short introduction on climate adaptation activities Hanze UAS  
Amar Bennadji , professor of Sustainable Built  
environment, Joey Koning

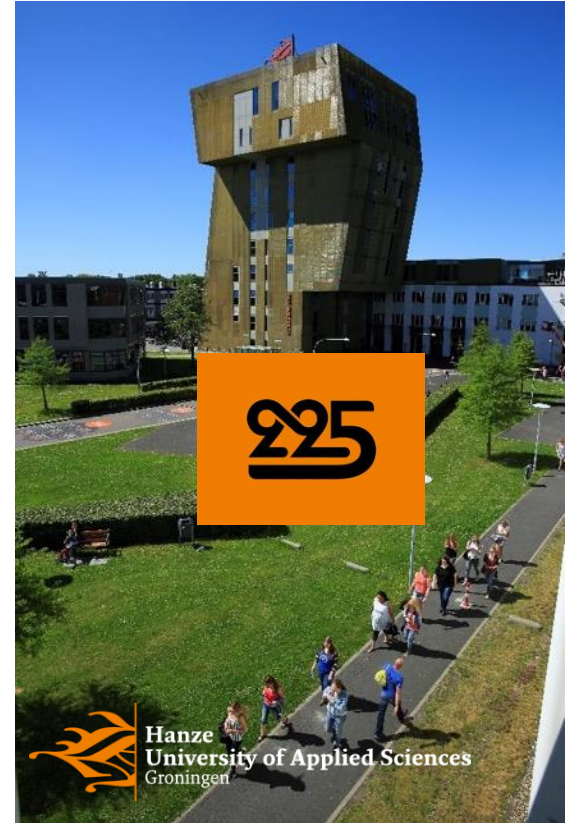
Short introduction on EnTranCe, Centre of Expertise Energy  
Jan-jaap Aué and Marcel Koenis

Lunch and discussion on Climat Neutral Cities

Tour of facilities EnTranCe

# Hanze University of Applied Sciences

- Established in **1798**
- Professionally oriented higher education
  - 30,000+ students, 3500 employees
- **Strongpoint Energy:**
  - energy routes in 22 studies
  - 3 energy master programs
  - 11 professorships with topic energy



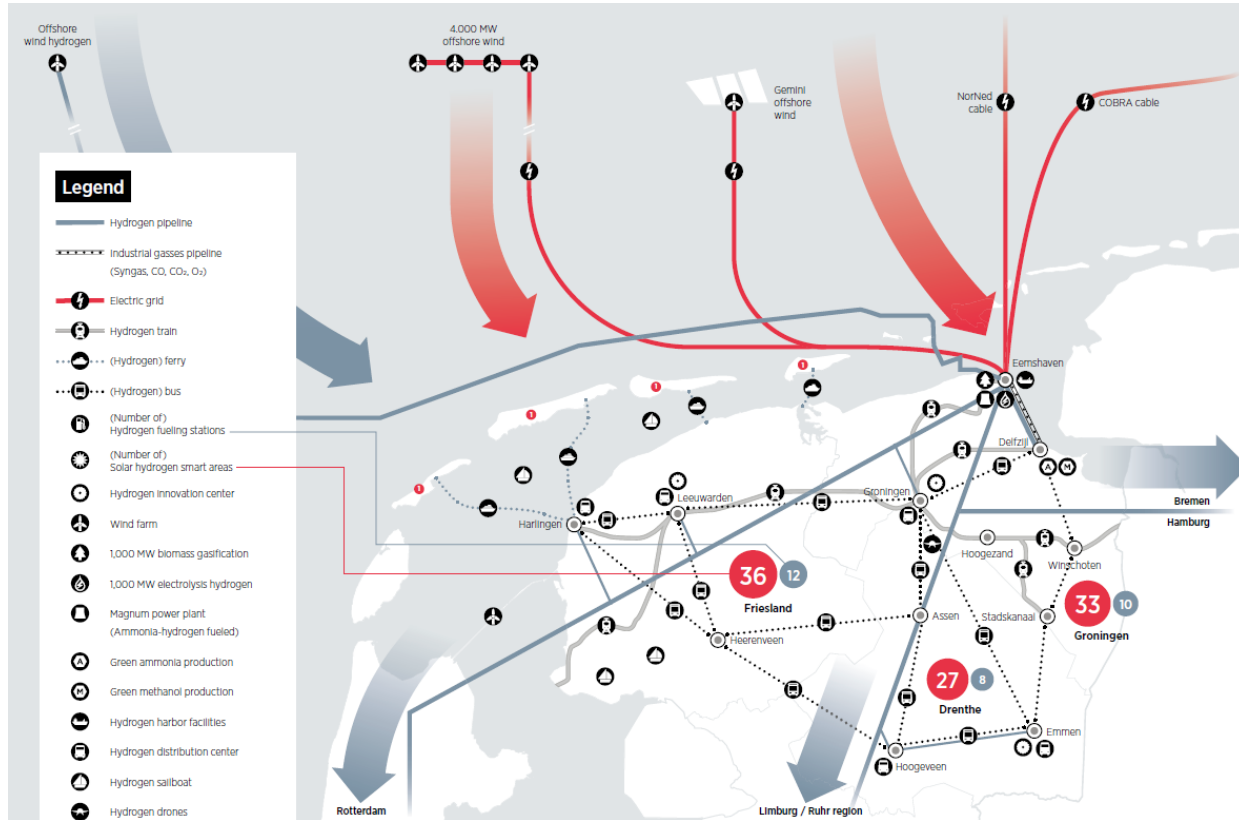
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# Why EnTranCe?



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# The overall regional Hydrogen vision up to 2030



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# Hydrogen Investment Plan 2.0



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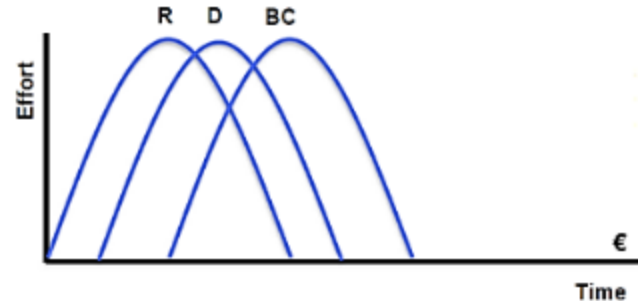
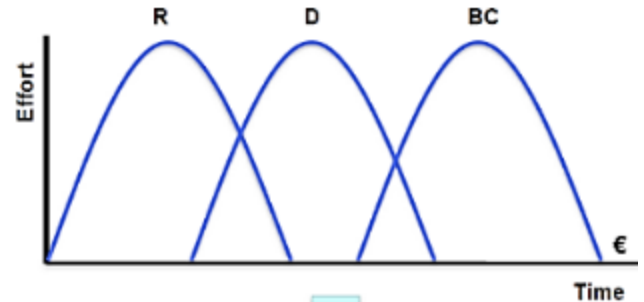
# What : Speeding up Innovation

At the Centre of Expertise Energy, we speed up innovations needed for the transition towards a sustainable energy society. We contribute by applied research and education.



## HOW?

- Create new sustainable value chains
- Integrate the chains with the needs of society
- Secure young brains being able to work on these new value chains





# What: Integral research themes

Duurzame mobiliteit



Hernieuwbare gasen en duurzame brandstoffen



Systeemintegratie



Industriële transformatie



Lokale en regionale energiestrategieën



Andere thema's



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# Who : professors @EnTranCe

Dr. ir. Marten van der Laan



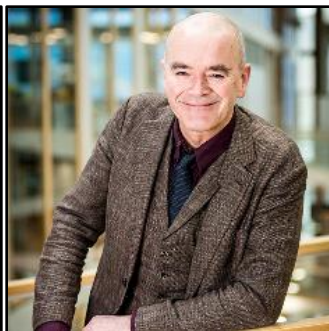
Dr. ir. Jan-jaap Aué



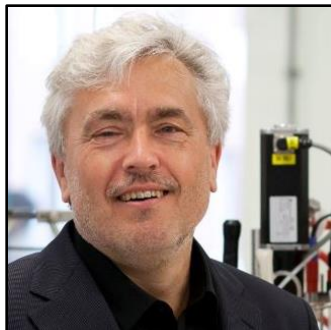
Dr. ir. Gerard Schepers



Mr. Bert de Jonge



Dr. Wim Elving



Dr. ir. Jan-Peter Nap



Dr. ir. Martien Visser



Dr. Carina Wiekens



Mr. Dr. Daisy Tempelman

Vacancy

- Economy
- Sustainable Fuels & gasses

Vacancy(2)

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# Who : partners

DNV

**GasTerra**

**corre:**  
energy



**TU Delft**  
**TU/e**



**gasunie**  
crossing borders in energy

**Noorderpoort**



provinsje fryslân  
provincie fryslân



**HOLT**  
CLEAN

*provincie*  
**Drenthe**

rijksuniversiteit  
groningen

**VanOns**

REPOWERED



**NOBIAN**  
A Nouryon company

**VAN WIJNEN**

**Witteveen + Bos**

**TOPSECTOR ENERGIE**  
Empowering the new economy

**Gemeente Emmen**

**Gemeente Groningen**

**Gemeente Ameland**

**Gemeente Leeuwarden**

# Where: EnTranCe in 2022



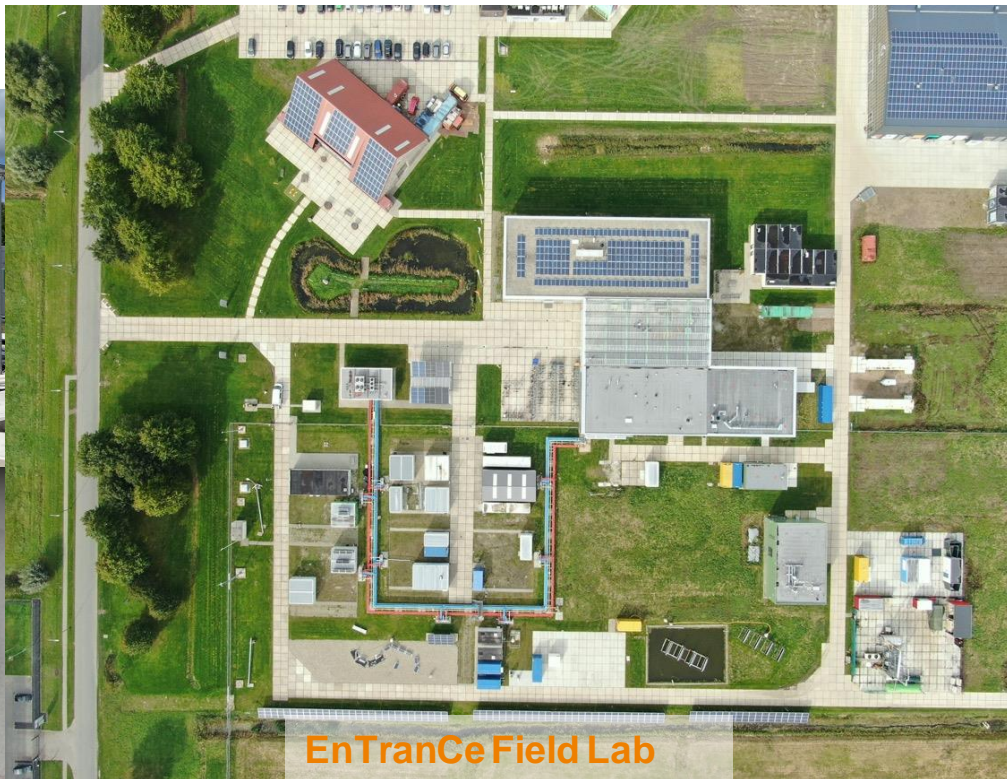
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# Educational programs

- Energy Routes in 22 bachelor programmes leading to EAE certification
- Learning Community (*Energy Transition Community EnTranCe*)
- Master (MSc) portfolio
  - European Master Renewable Energy
  - Master Sustainable Energy System Management
  - Master Energy 4 Society
  - Master International Communication (specialisation Energy)

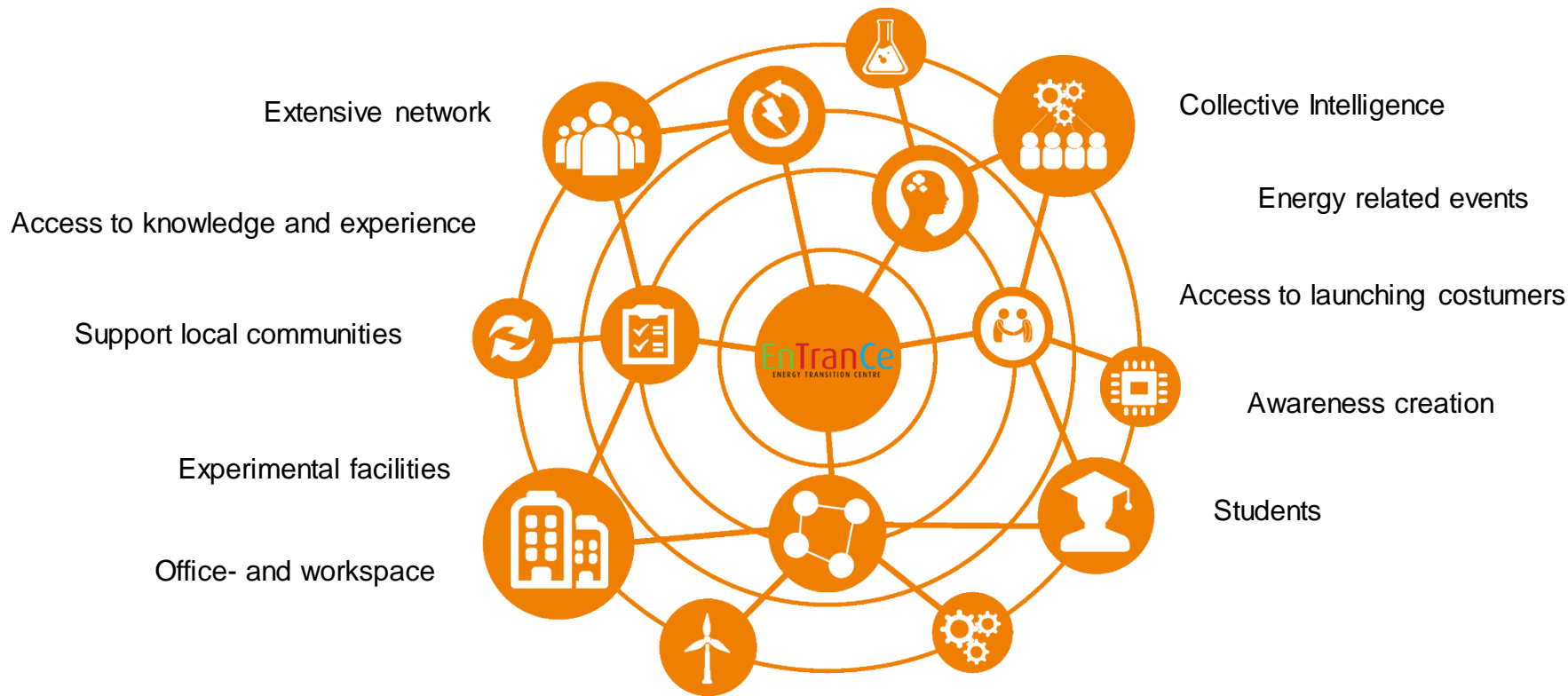


# Learning by Doing



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# For you



**Dr. Ir. Jan-jaap Aué**

Dean Centre of Expertise Energy

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