



Hanze  
University of Applied Sciences  
Groningen

## EnTranCe: Centre of Expertise Energy

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

**Dr. Ir. Jan-jaap Aué**

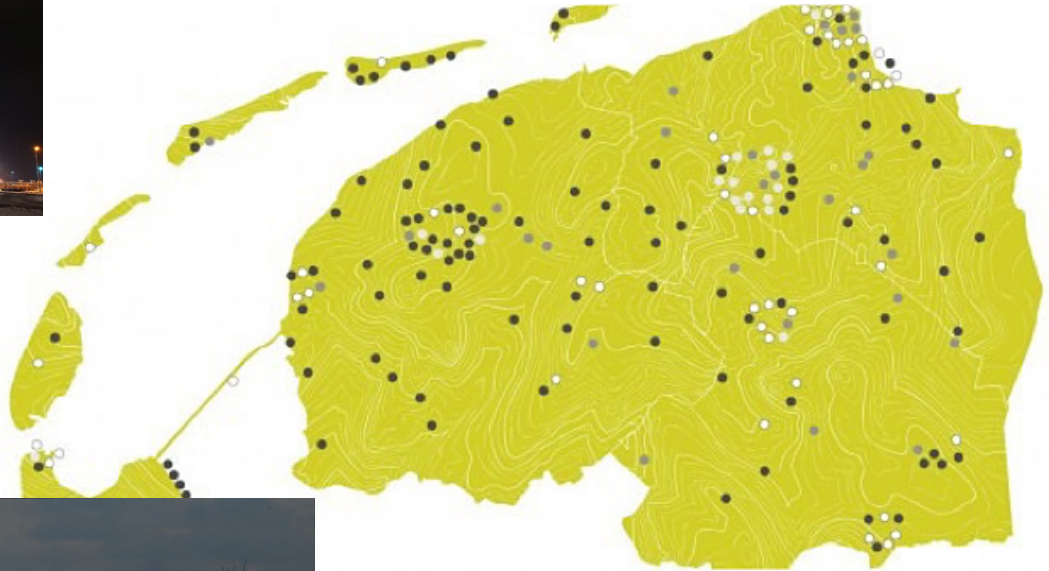
*Dean Centre of Expertise Energy*

*Professor Energy Transition*

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

**EnTranCe**  
ENERGY TRANSITION CENTRE

**Energy Academy Europe**







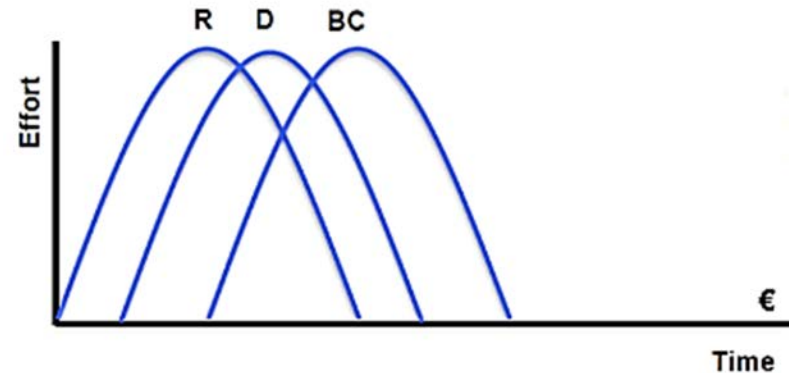
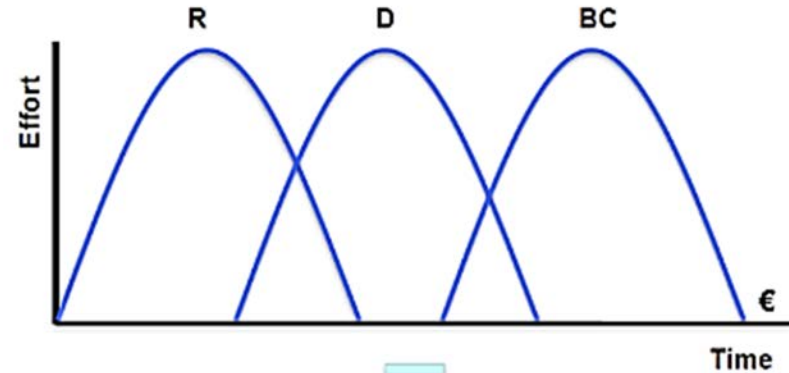
**share your talent. move the world.**

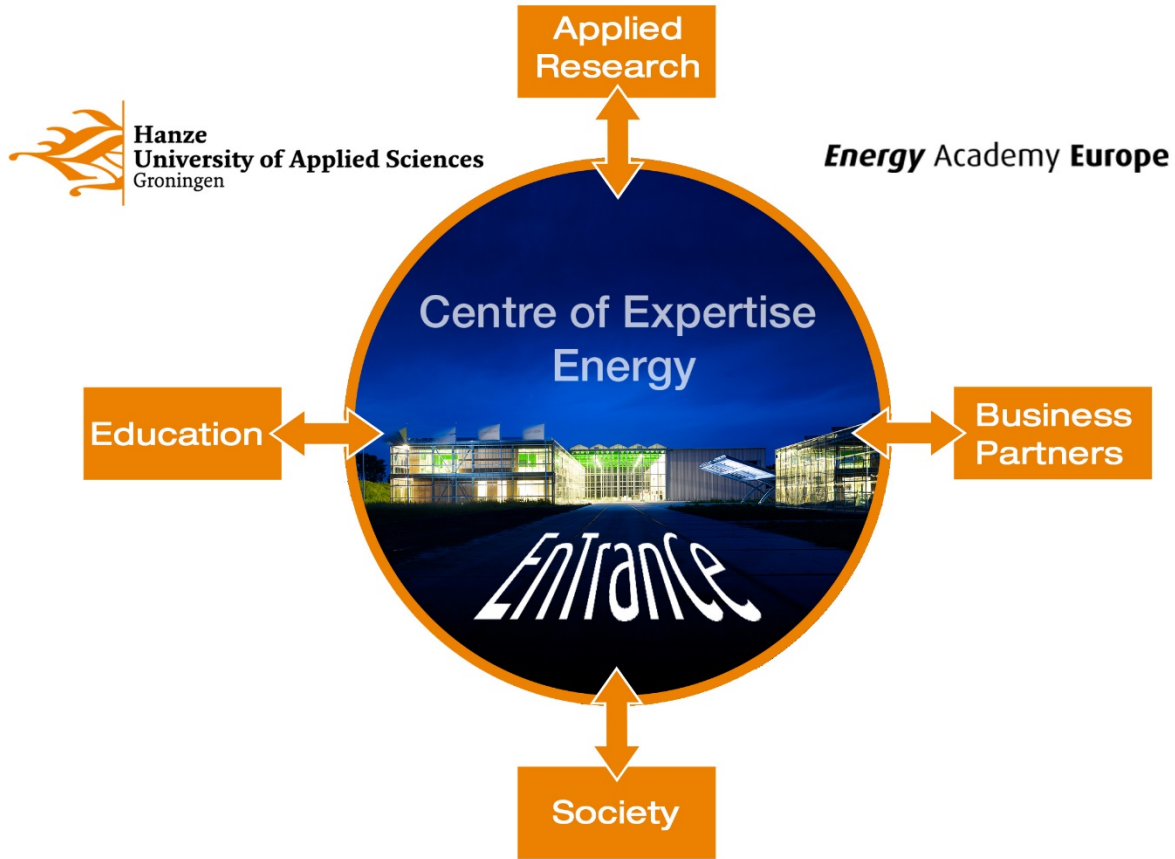
# Speeding up Innovation

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?

- An interdisciplinary and multilevel approach
- The establishment of co-ownership from Society
- Involving young people
- Showing options and their impact
- In dialogue with stakeholders





## How?

### Educational programmes

- Energy Routes in schools leading to EAE certification
- Learning Community
- Master (MSc) portfolio
  - European Master Renewable Energy
  - Master Sustainable Energy System management
  - Master Energy 4 society (under dev)

### Facilities

- Energy Value Chain
- Energy Barn
- EnTranCe

**EnTranCe**  
ENERGY TRANSITION CENTRE

### Partners

- Business partners
- Governmental partners
- Societal partners
- stakeholders

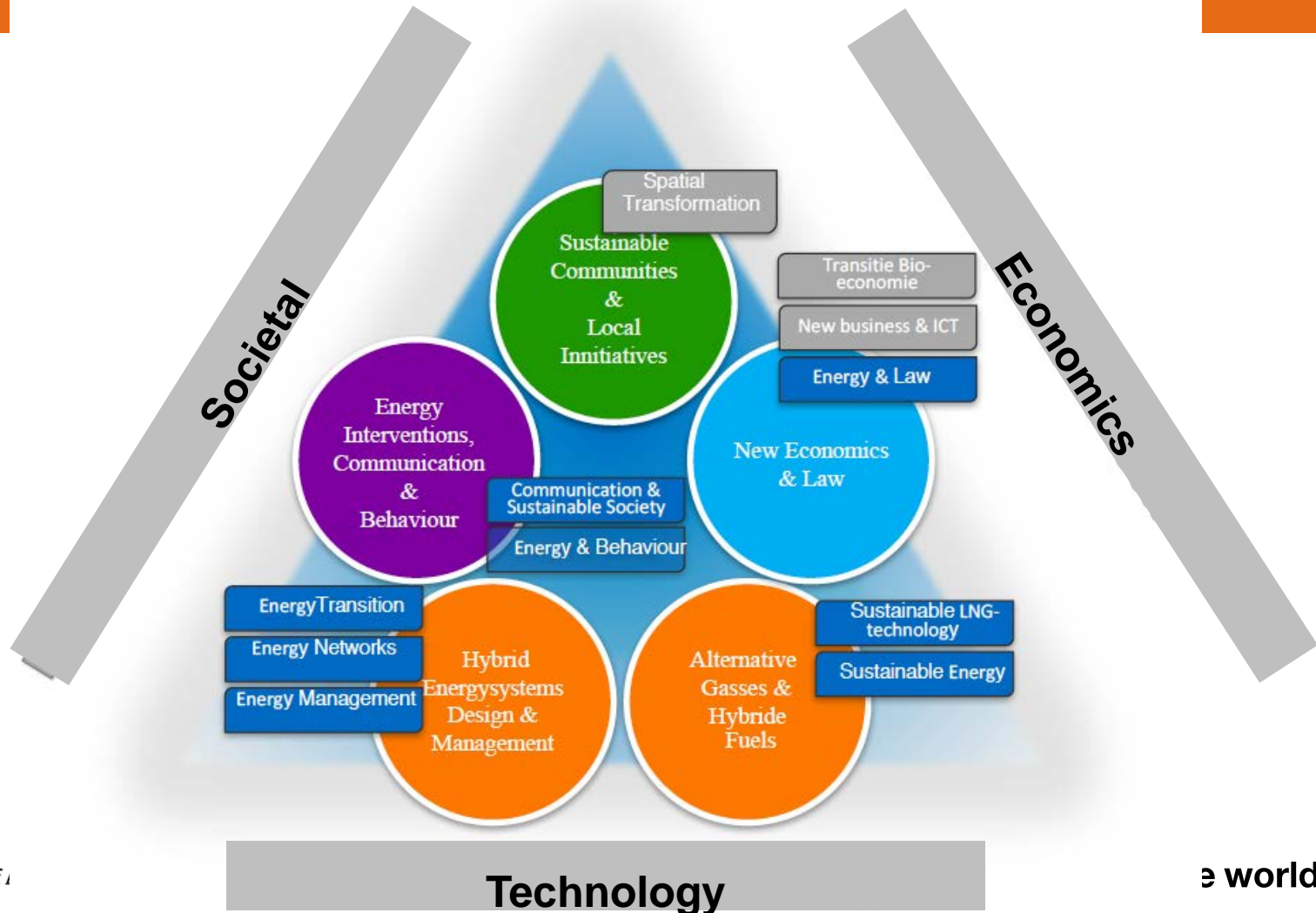
### Applied Research

- Hybrid energy system design & Management
- Alternative gasses and hybrid-fuels
- Energy interventions and behaviour, public support and communication
- New economic realities, labour market, governance and legal aspects in the energy sector
- Sustainable communities and local initiatives



ove the world.





# Educational programs

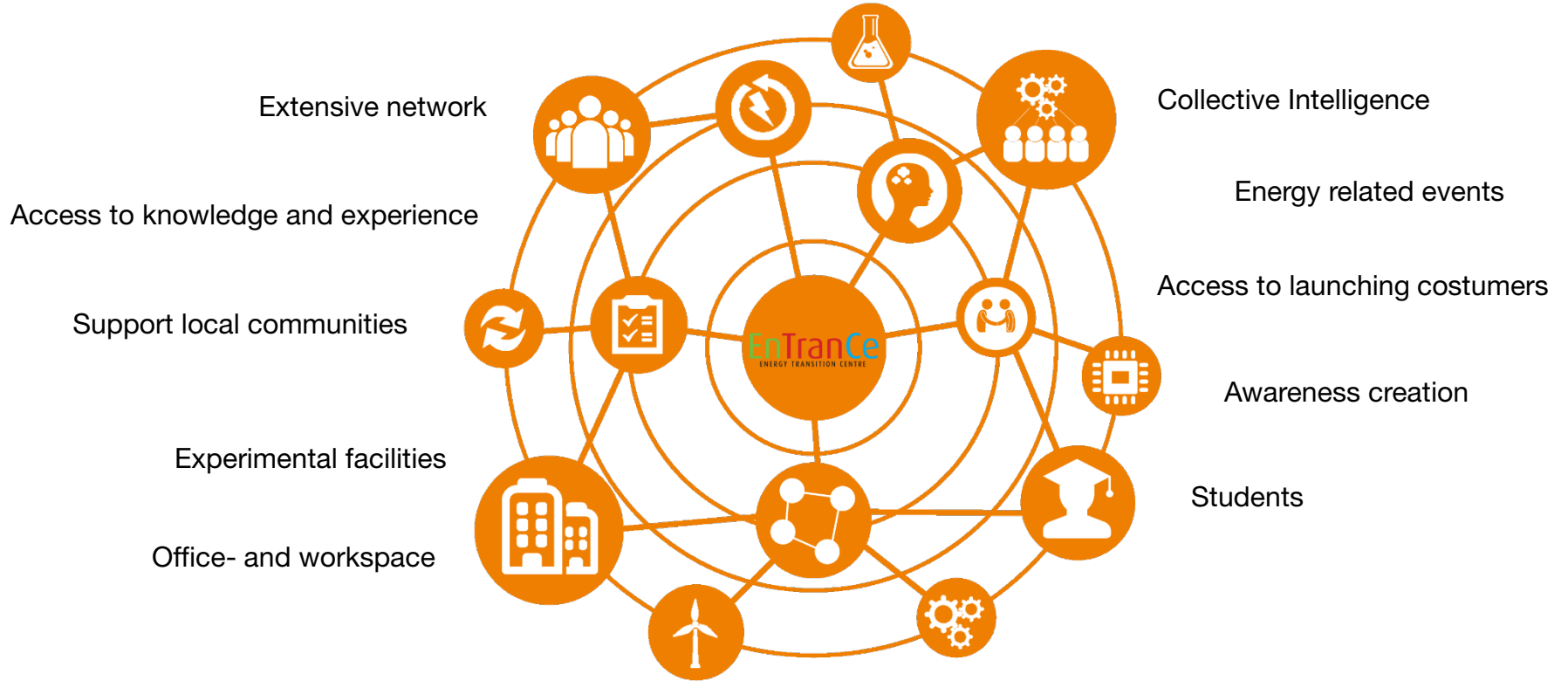
- Energy Routes in 22 schools leading to EAE certification
- Learning Community (*Energy Transition Community EnTranCe*)
- Master (MSc) portfolio
  - European Master Renewable Energy
  - Master Sustainable Energy System Management
  - Master Energy 4 Society
  - Master International Communication (specialisation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



# Drenthe

- 10000 duurzame huishoudens
- Partner Expeditie Energieneutraal
- Drenthe in Transitie
- Detachering vanuit Provincie
- BuurKracht
- GZI Emmen
- 'EnTranCe' Emmen
- Waterstof excursie Emmen
- Lariks
- Waterstofwijk Hoogeveen
- .....

# For you



**Dr. Ir. Jan-jaap Aué**

Dean Centre of Expertise Energy

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