

Industry policy and innovation

Robert Geurts, december 2021



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- Economic policy
- Energy transition and circular economy
- NO_x/NH₃ reduction program

Fields of expertise

- Mechanical Engineering
- Fire and Industrial safety
- Energy transition
- Regional Economy

Working experience

- Consultancy
- Industry
- Government



Transition in the industry

Policy starting point:

- National and local climate agreements
- regional industry report Rotterdam – Moerdijk: “In three steps towards a sustainable industrial cluster”
- regional cooperation

Goal: Low carbon and circular industry in 2050

Themes (the three steps):

- Energy efficiency / infrastructure
- Energy transition
- Circular transition



What do we do

Energy efficiency / infrastructure

- Infrastructure system study, knowledge development (with network operators)
- Project funding, subsidy arrangement for infrastructure
- Energy innovation studies
- Environmental permitting/enforcement (non-ETS)

Energy transition

- Stimulate use and production of H₂ (H-Vision, infrastructure)
- Support studies/knowledge development
- Elektrificatie, FLIE
- VAWOZ (Study for the landing of offshore wind power, spatial planning)

Circular transition

- Stimulate innovation (Planet.bio, P>act challenge)
- Organise access to funding (REACT-EU, EFRO, JTF)



PZH aims for innovation

Initiator and shareholder of IQ (Innovation Quarter)

Stimulate innovative networks: RNIZ (Clean Tech Delta, Maritime Delta, SmartPort,...)

Support fieldlabs (GreenVillage, RamLab, Medical Delta, FLIE)

Project funding (E&K subsidy, via IQ)

Access to funding

- EFRO
- REACT-EU (2021, 7 mln)
- JTF



“Opportunities for West 3”

The program is called “Kansen voor West 3”, and is funded by EFRO and national government.

For the province of South Holland a budget of €50 mln is available.
Excluding: co-funding, additional province funding.

The program will be operational from 2022 – 2027

The budget is allocated for two priorities:

- Innovation (70%, €35 mln)
- Climate (30%, €15 mln)



KvW 3

Priority 1: innovation (Focus on development of key technologies for transition)

- Further strengthen research and innovation capacity;

Priority 2: climate (Focus on contribution of climate change mitigation)

- Energy efficiency / reducing CO₂ emissions;
- Promote renewable energy;
- Develop smart energy systems, grids and storage;
- Transition to circular economy;

Further preparation in close collaboration with regional stakeholders, Province, Community of Rotterdam, Innovation Quarter, Port of Rotterdam, Deltalinqs

<https://www.zuid-holland.nl/onderwerpen/internationaal/europese-subsidies/>



Just Transition Fund

European fund for the “just transition” of industrial regions.
For the Rotterdam Rijnmond region a budget of €58,5 mln is available.

The budget is allocated for three pillars:

1. Decarbonising existing industrial activities;
2. Develop new sustainable production chains;
3. Further enhance a resilient labour market.

Planning:

The regional “JTF transition plan” has been submitted to the EC by the province and the community of Rotterdam. Preparation of the first call, planning is Q3, 2022.

Contact: Any of the regional partners, PZH, Rotterdam, Innovation Quarter, Deltalinqs, PortofRotterdam.

<https://www.kansenvoorwest2.nl/nl/nieuws/consultatie-jtf-rijnmond/>

Typical KvW project

When further explore the possibility of KvW?
(indication)

- Innovative (more important in priority 1)
- Sustainable development (more important in priority 2)
- >30% CO₂ reduction
- >50% re-use of material

- Quality of business case, realisation within approx. 3 years
- Regional policy review
- Typical ticket size 500k – 2.000k





Preparation of KvW & JTF calls

Timeline KvW



(approx.) Timeline JTF

- Q4 – 2020: JTF funds assigned
- Q1-3 2021: program preparation
- Q3 2021: JTF plan submitted
- Q1-Q2 2022: review JTF plan by EC
- Q1-Q2 2022: Operational program
- Q1-Q2 2022: Call preparation
- Q3 2022: (First) call open
- 2025: 35% of budget realised





provincie
Zuid-Holland

Thank You

