



EEAC WG Energy and Climate Change



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May 2018

3 PILLARS WITHIN FLUX50



Smart Energy Region

Innovate

Inform

Inter-
national

2017

2018



SPECIFIC TOPICS



Energy Harbors



Microgrids



Multi-Energy Solutions



Energy Cloud Platforms



Intelligent Renovation



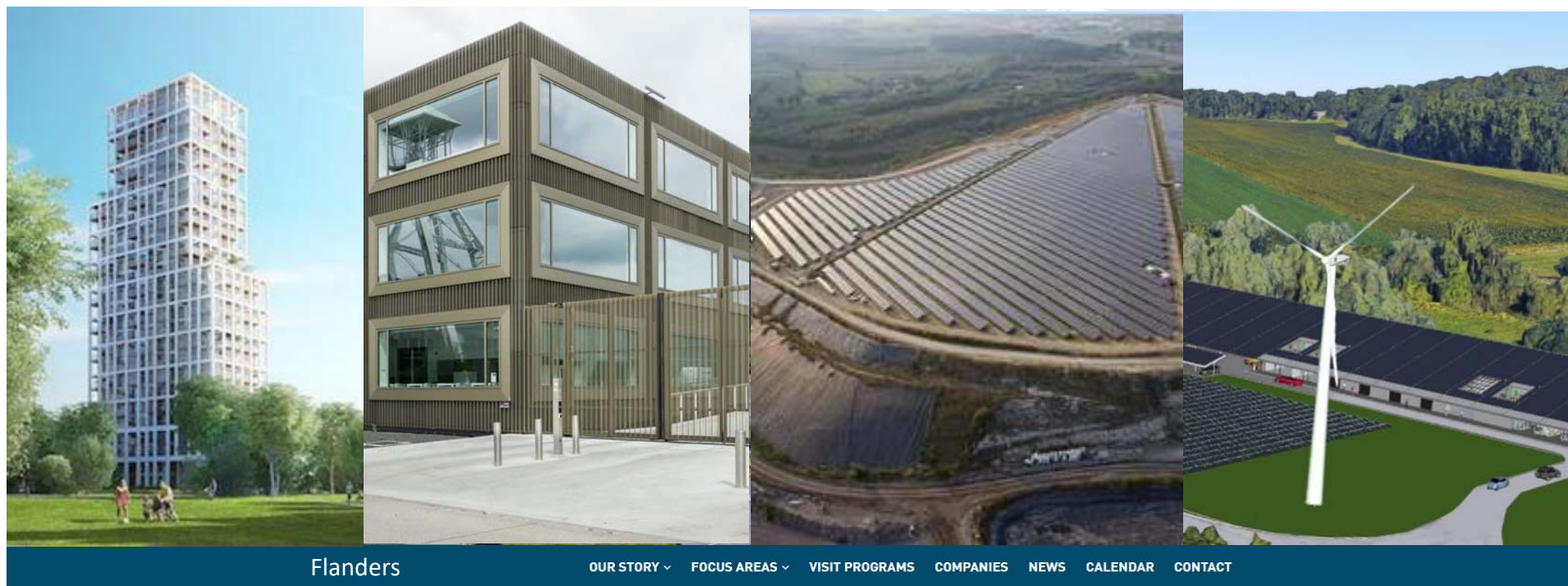
FLANDERS
INNOVATION &
ENTREPRENEURSHIP

flux50

Clusters for Growth



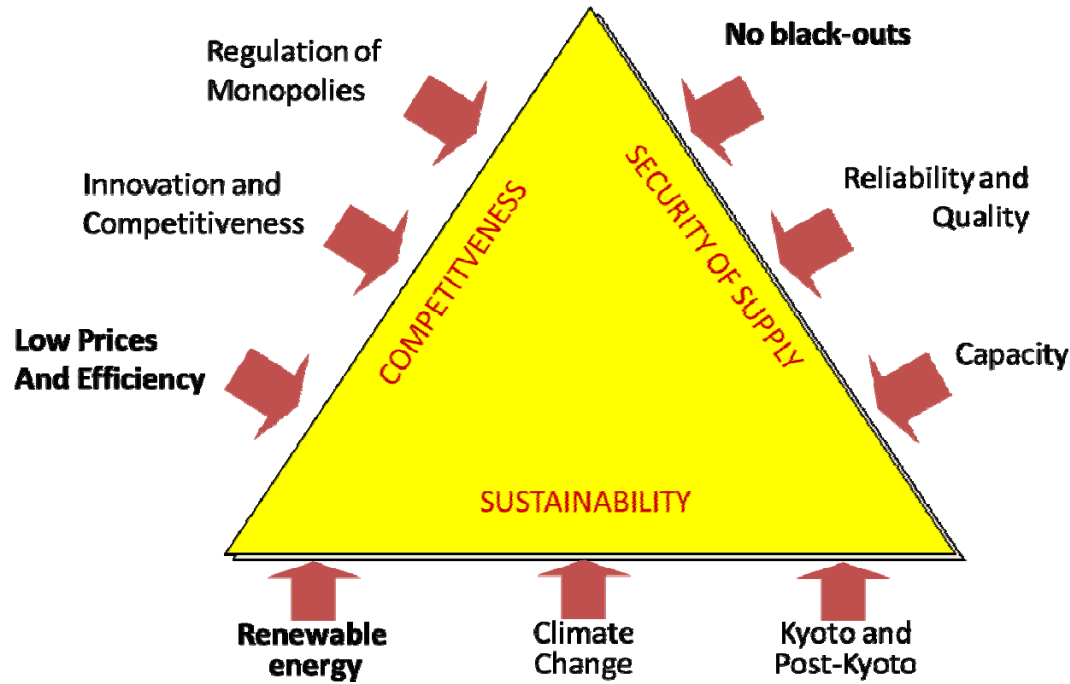
SMART ENERGY REGION



VISIT GREEN Flanders



NOT ONLY ABOUT CLIMATE FOR INDUSTRY...



GREEN ENERGY CAMPUS

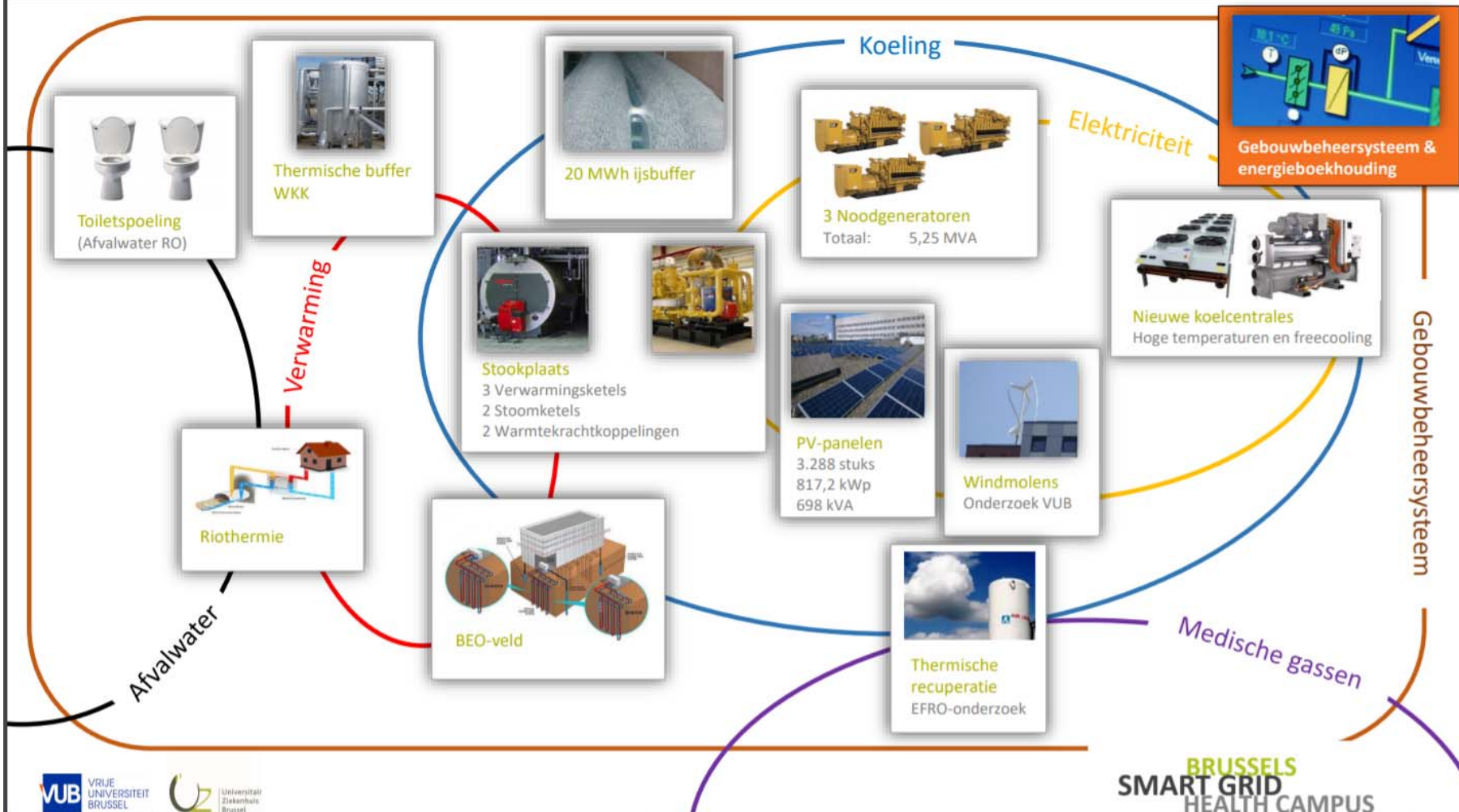


- 10 CADAMES
- 34 transformatoren

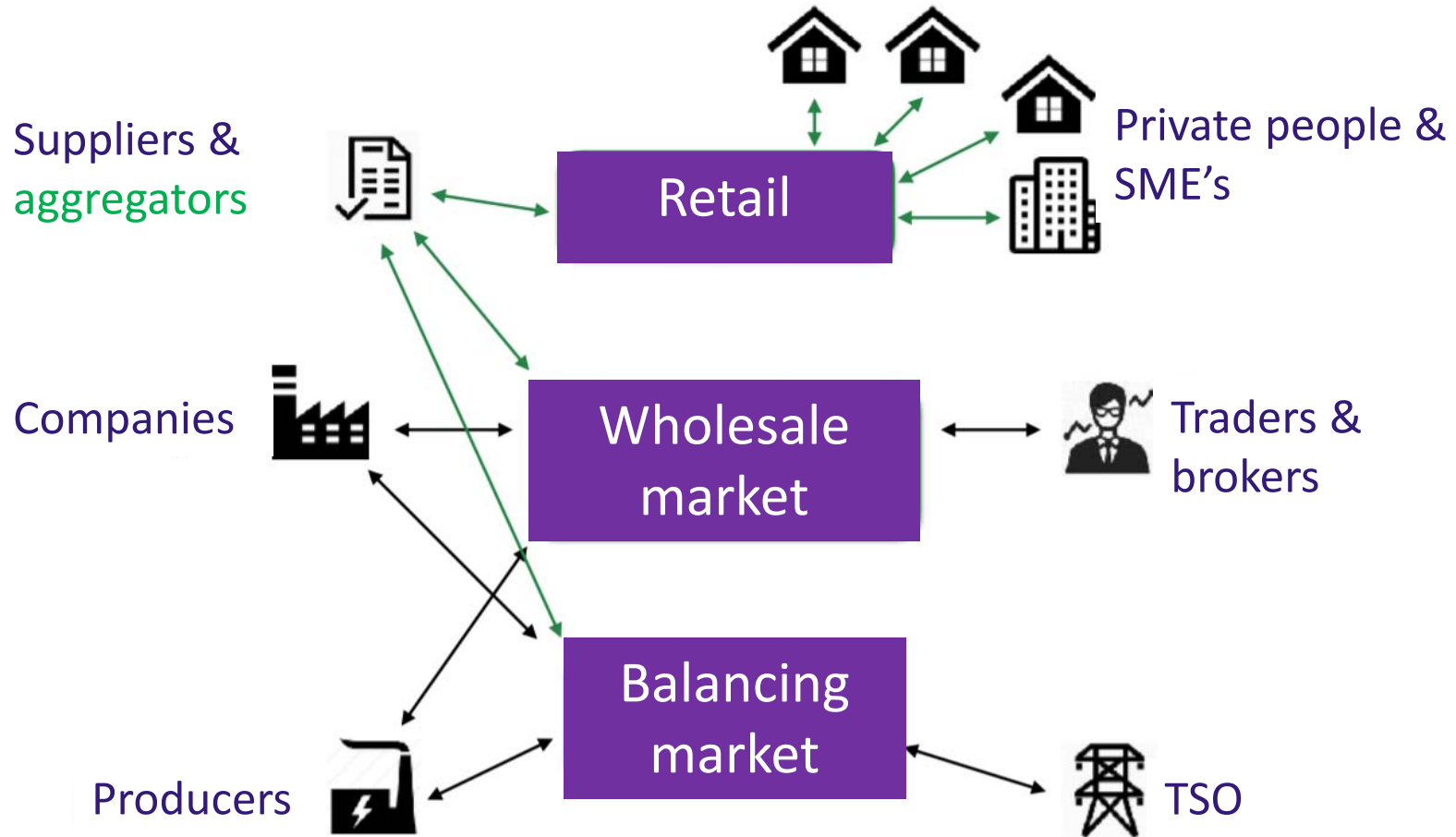
- 2 WKK's
- 3.300 PV-panelen

- 12 SEC MEDISCHE GASTEN
- 3 min hele campus

5 DAGEN AUTONOMIE / OFF GRID

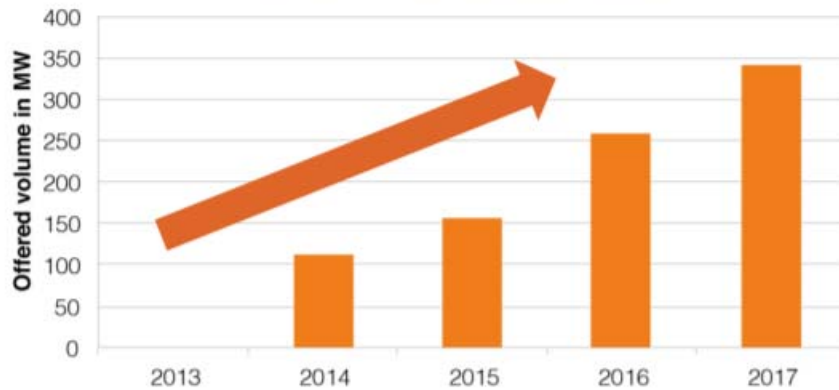


NEW MARKETROLES IN ELECTRICITY



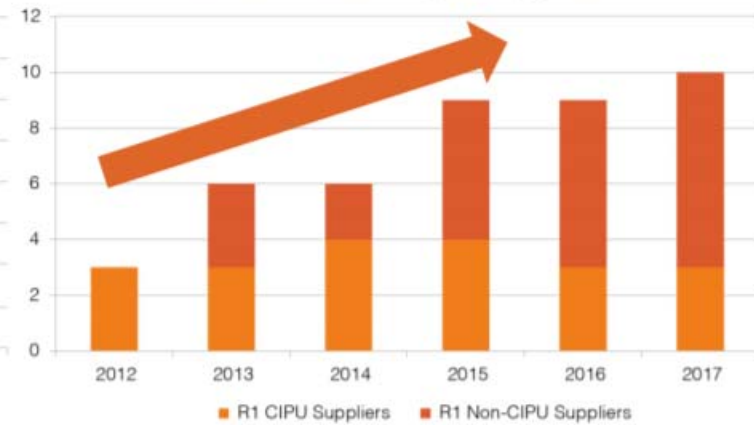
NEED FOR FLEXIBILITY – INCENTIVE IMBALANCE

R3DP-R3 Flex Volume Offered in MW



Offered volume of mFRR from Non-Conventional Units (including demand response) has been **growing** over the years, in line with product opening/redesign

Number of R1 Belgian Suppliers

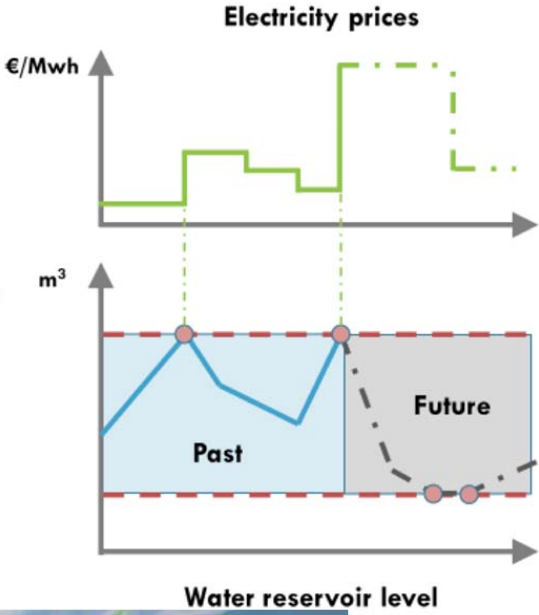
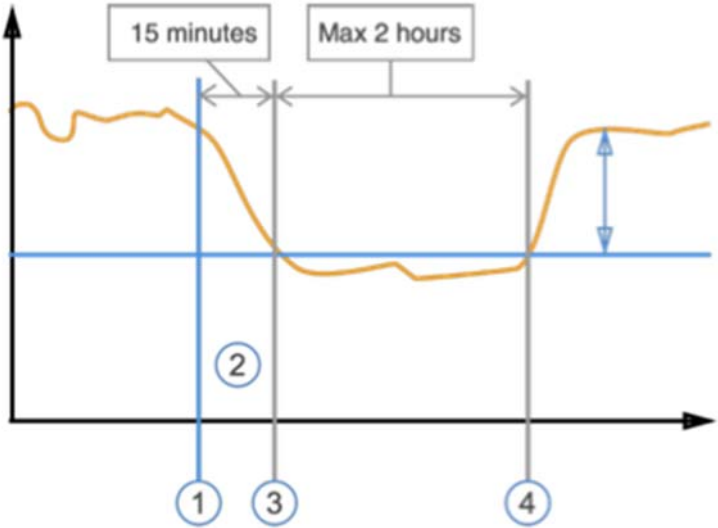


suppliers increases

FCR diversification not only in Belgium but also at EU level



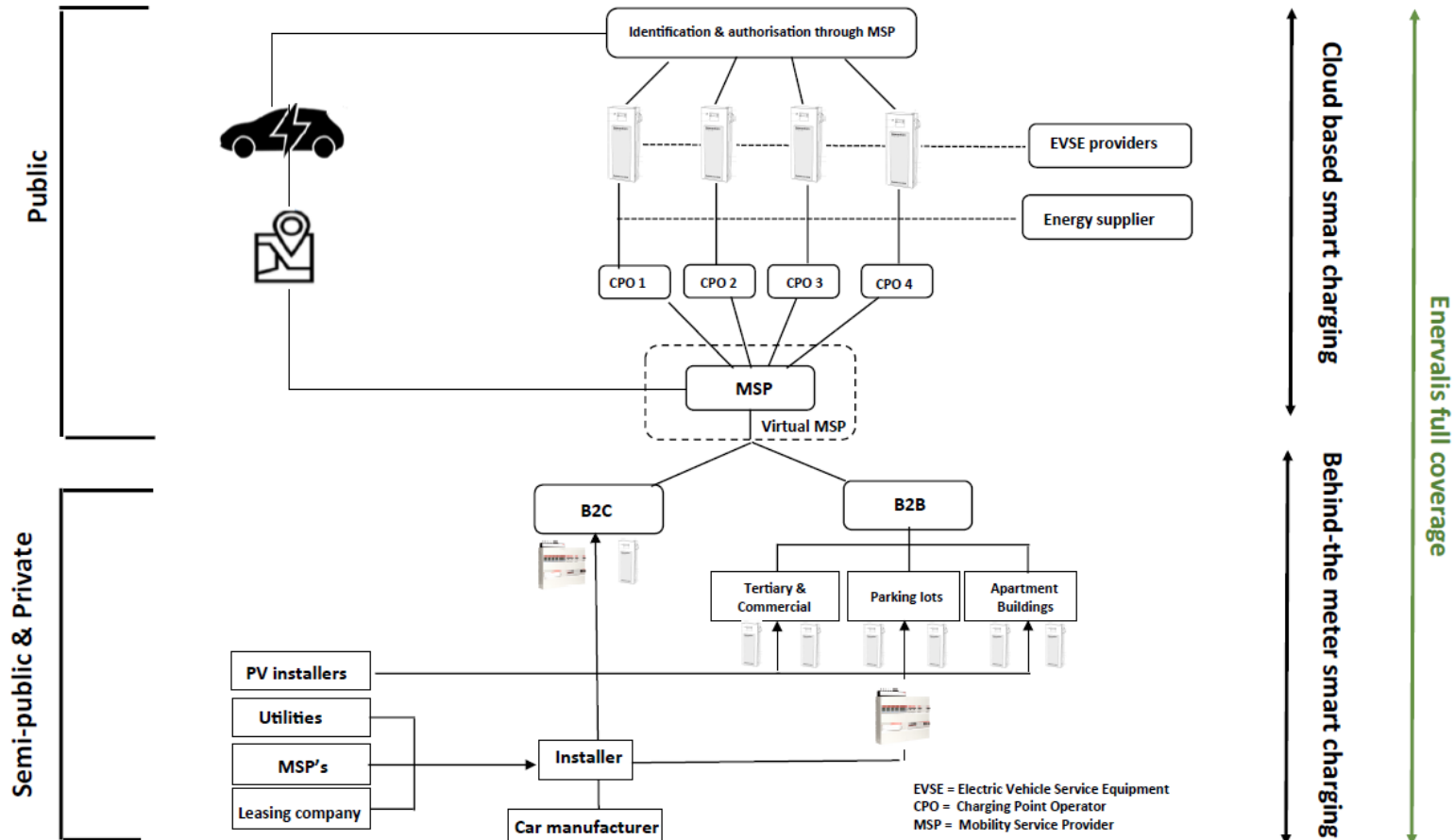
FLEXIBILITY IN PRACTICE



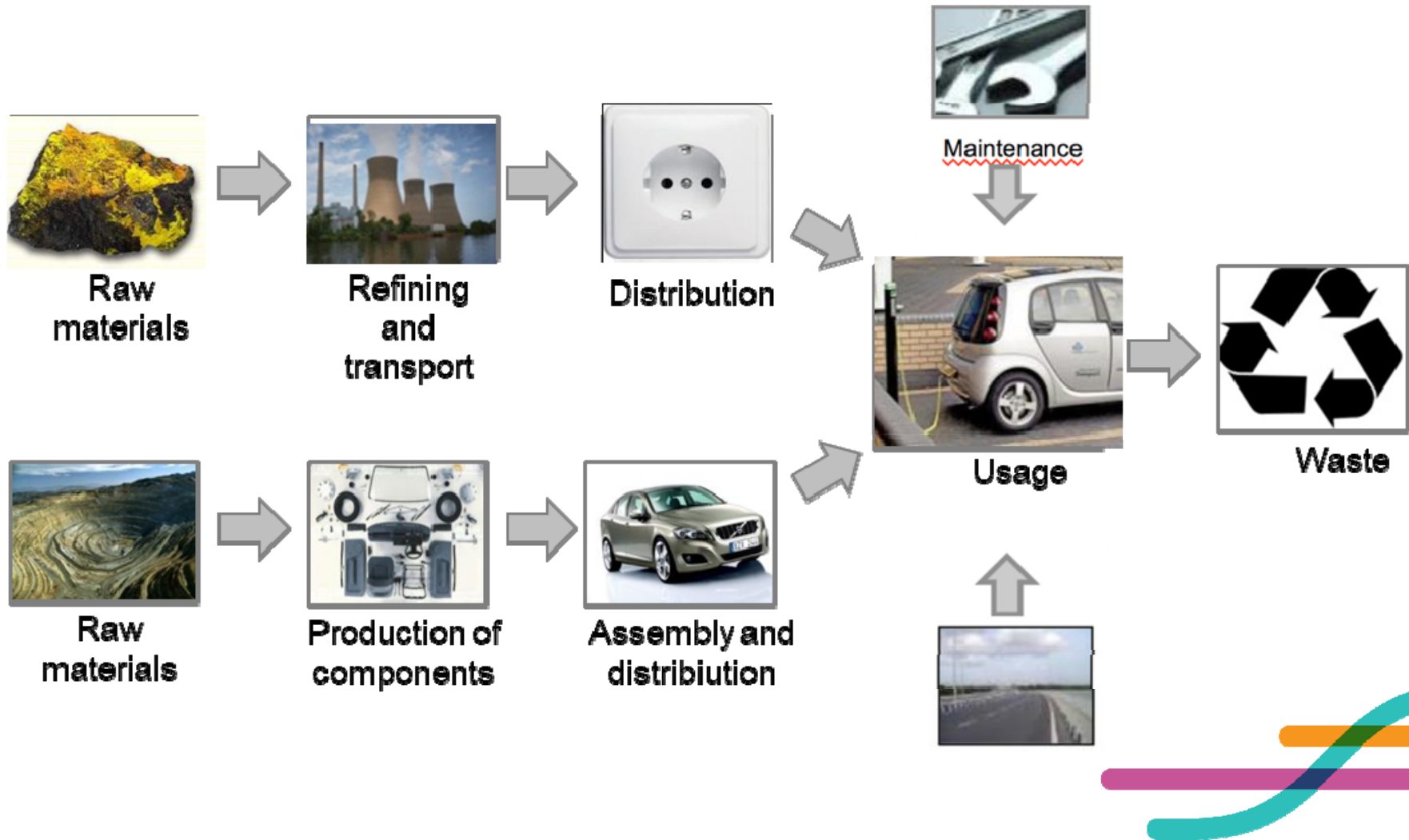
ELECTROMOBILITY



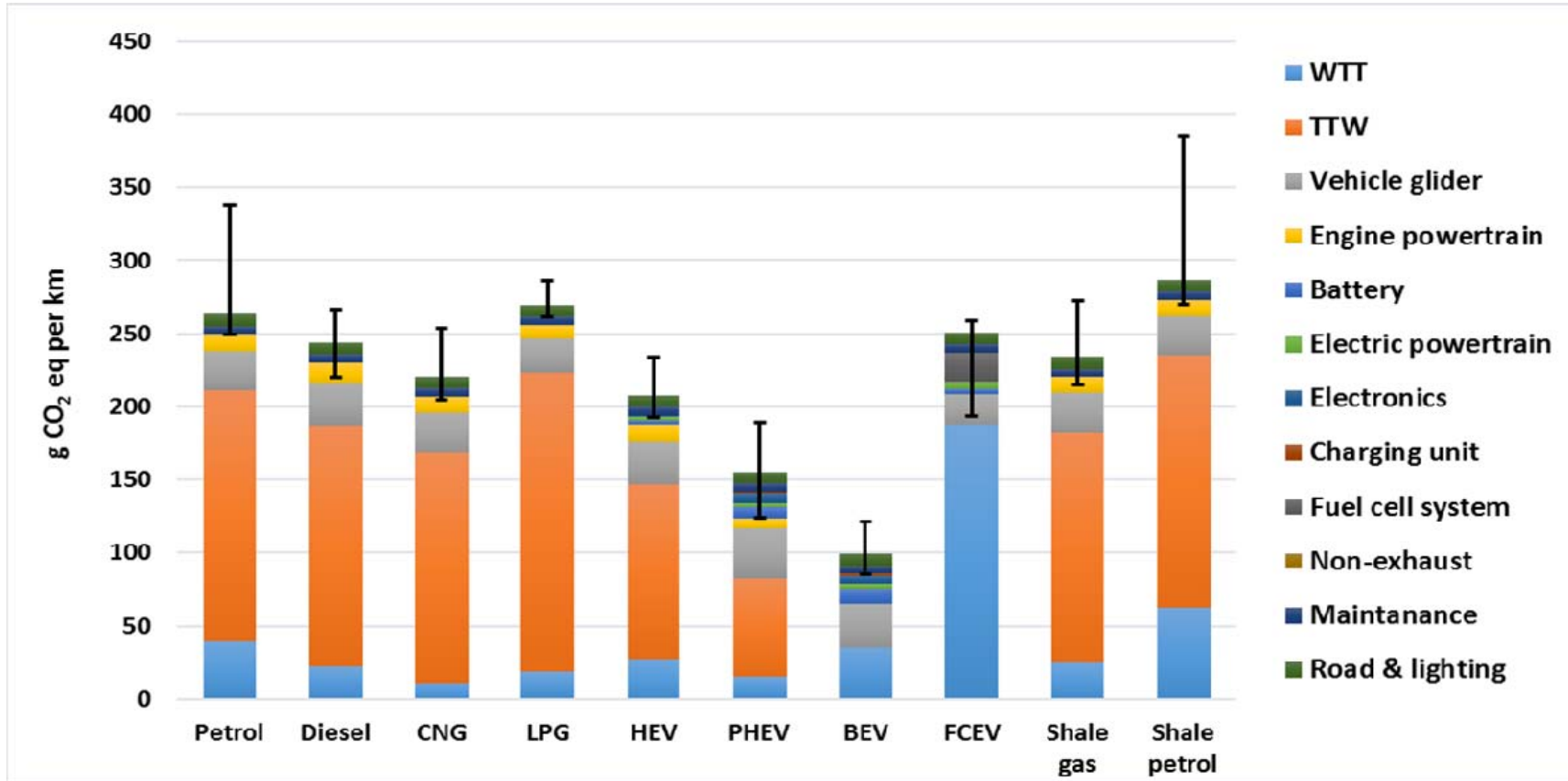
e-Mobility Landscape



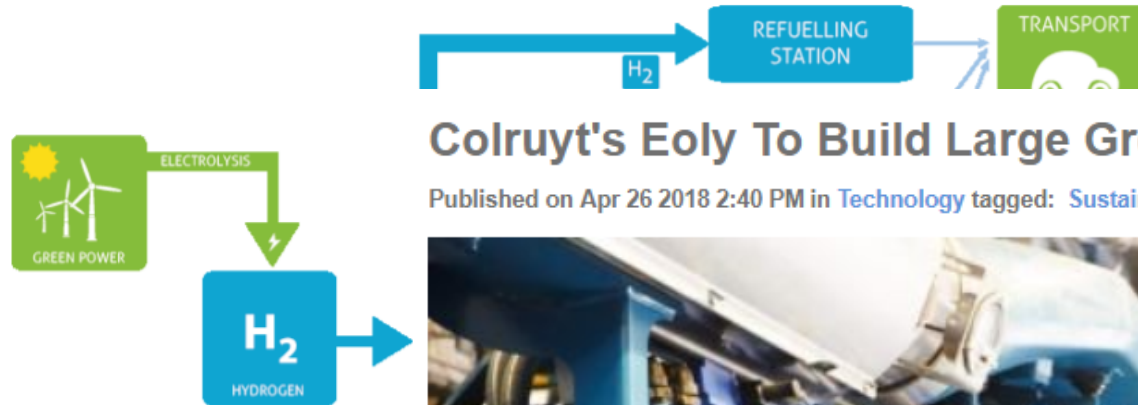
ELECTRIC MOBILITY



ELECTRIC MOBILITY

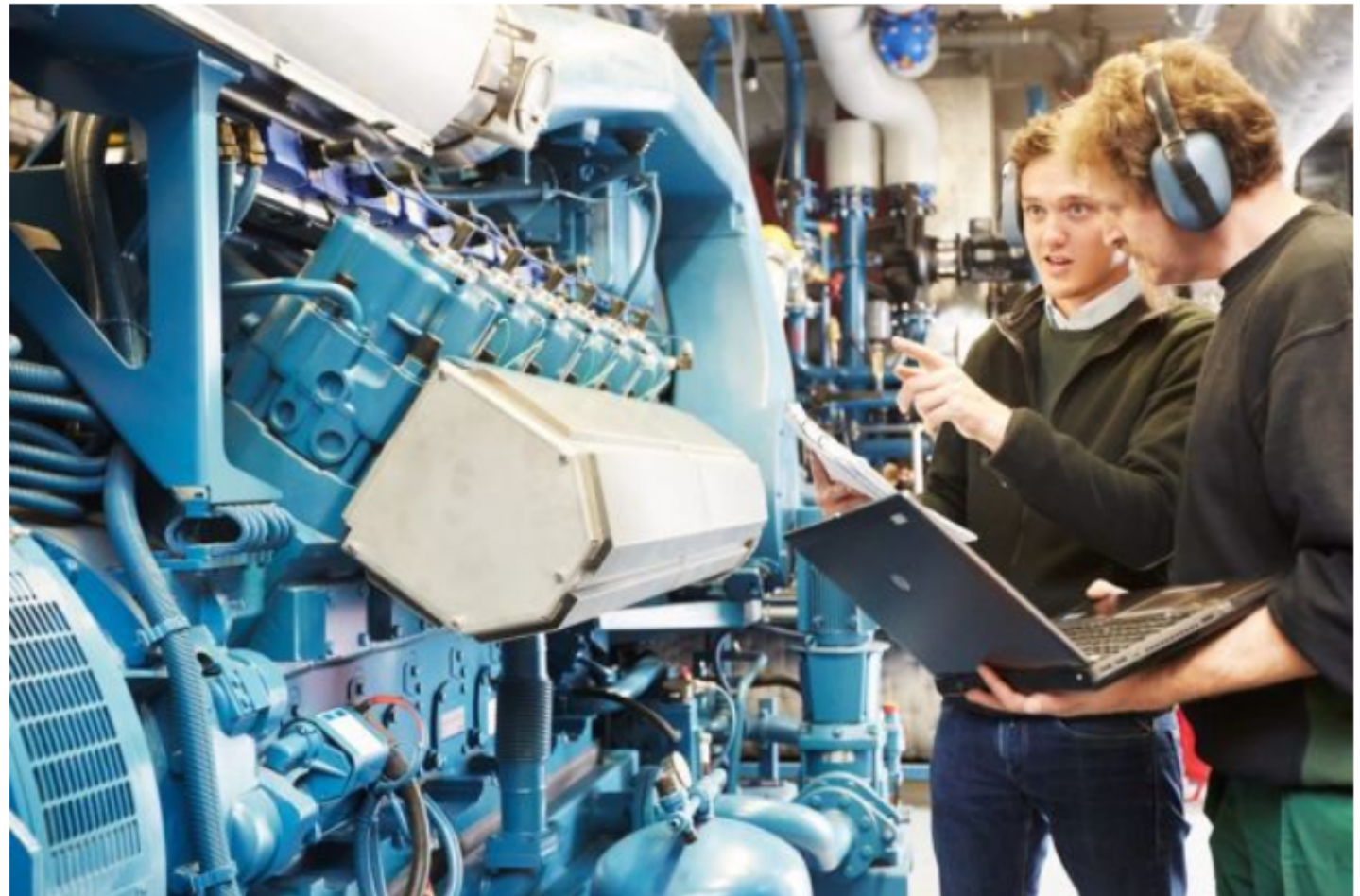


(RENEWABLE) POWER TO GAS



Colruyt's Eoly To Build Large Green Hydrogen System

Published on Apr 26 2018 2:40 PM in Technology tagged: Sustainability / Colruyt / Eoly / Hydrogen Gas



CONTACT

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SHORT HISTORY

f50

- 2016, Sept.: Application
- 9 partners
- Open call by Flemish Government
- Target: create spearhead-cluster “Energy”

SMART
GRIDS
FLANDERS

Together for strong growth by
innovating and internationalizing



LIVING
TOMORROW®





ICN PASSPORT

CONNECTION WITH LOCAL KEY CONTACTS

Request assistance when seeking the right project partners or business opportunities at a local ICN cluster in the targeted region.

WELCOMING OFFICES

Be hosted at the work place of another cluster. This service is valid for both clusters and their members.

ICN BENEFITS AND DISCOUNTS

Get attractive discounts for specific events or conferences.