

A nuclear strategy for Belgium

FEBELIEC position

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President



**Febeliec represents
the industrial consumers
of electricity and natural gas
in Belgium**

FEBELIEC : double objective to strive for in the context of the energy transition:

- **competitive prices of electricity and natural gas**
- **security of supply of energy**

BOTH ARE IN THE DANGER ZONE

FEBELIEC AND ITS MEMBERS: 5 federations & 39 companies



Air Liquide



EASTMAN



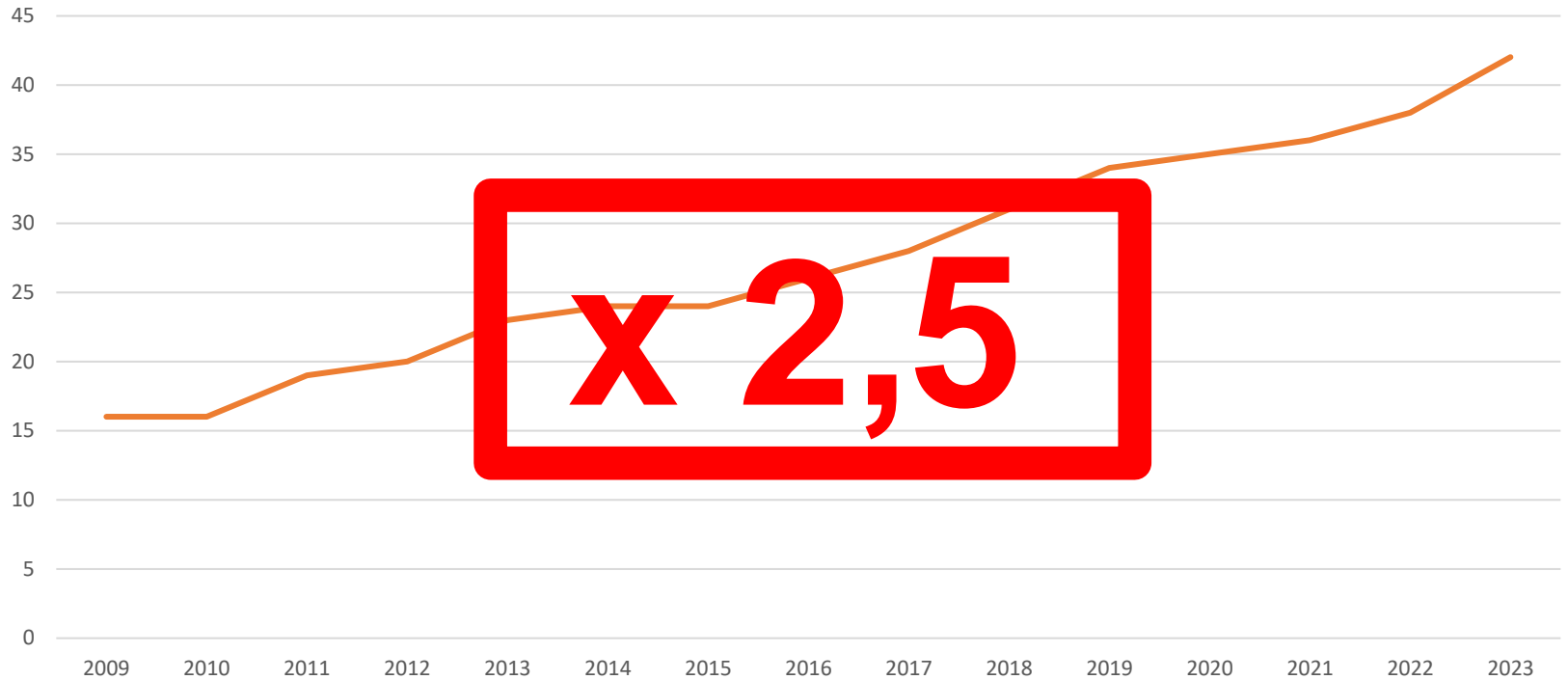
AD Aluminium Duffel



FEBELIEC AND ITS MEMBERS: 5 federations & 39 companies

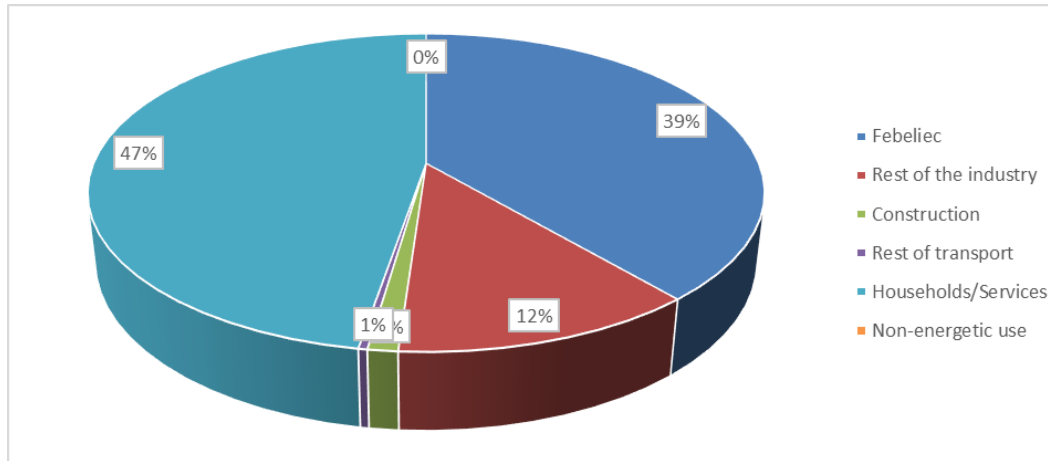


Companies' Membership evolution

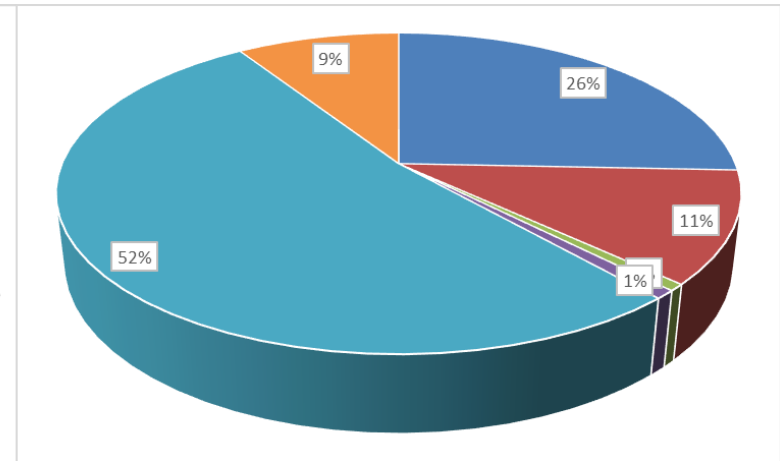


Final Energy Consumption electricity + natural gas

Electricity



Natural gas



FEBELIEC covers 40 % of the Belgian electricity & gas consumption

Source: FPS Economy, 2021

ELECTRICITY DEMAND 2050 IN BELGIUM

- Power demand 230 - 260 TWh/y
- Maximum local RES 132 TWh/y
- So : 100 + TWh/y “missing” + intermittency cost (incompressibility)
- Industry refuses large import dependency ...
- Few economically justified alternatives ...

Ref : EnergyVille studies

- Study 2017 : 2 GW nuclear extension leads to 0,61 Bio € annual savings and 4,6 mio Ton/y less CO₂ emissions in 2030
- Study 2022 : Including SMR's leads to lowest generation cost of 56 €/MWh in 2050
- Study 2023 : from a threshold of 70-75 €/Mwh also extension of D3/T2 becomes cost effective before 2050

Ref : EnergyVille studies
Savings = system costs

- Extension D4/T3 strike price : **80 - 81 €/MWh** - connections available !
- New off-shore wind strike price : **95 € /MWh** - connection costs > **2 Bio €** (and growing)
- quid systems' cost ?

Ref. : Energy Minister Parliament Declaration; Decision Core Cabinet; de Tijd

This is what our Captains of Industry have to say :

1. Future **investments are delayed** or other countries are favored
2. Current investments mainly focused on **license-to-operate investments**, cost efficiencies & energy savings
3. **No significant investments in expanding production capacity were mentioned**
4. The first signs of long-term relocation are likely to be subtle and risk going unnoticed. However, there appears to be a **high risk of relocation** as the current assets reach the end of their useful life.
5. There is a **risk of a domino-effect** due to the fragility of some sectors

Belgium's competitive position is under pressure

Ref : KPMG report 2023

- Febeliec is technology neutral but ...
- We insist on a long term, stable energy policy based on **rational scientific, economic and technical arguments**
- On the basis of repeated numerous objective studies, nuclear (both existing AND new) lead to **substantially lower system costs**

➡ Policy needs to include both existing nuclear extension and new build nuclear

More info ?

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