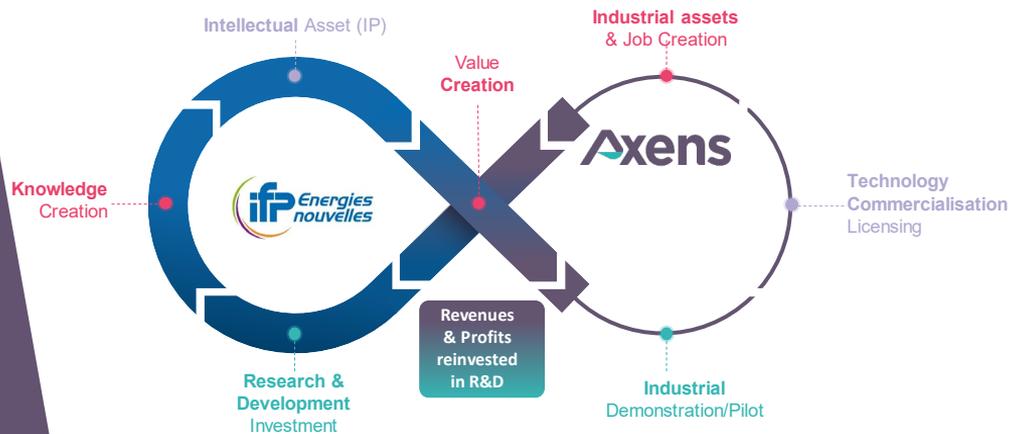


# Axens in a nutshell

## A Unique Partnership & Value Creation Model

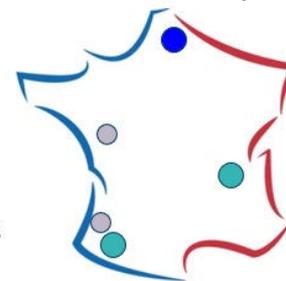


## 2015 – 2025 Low Carbon Technologies Portfolio Build-Up

- Low Carbon fuels & SAF (Sustainable Aviation Fuels)
- Circular Economy (Plastics and Metals Recycling)
- CO<sub>2</sub> Capture
- Electrification

## Transition Acceleration through BOO

(Build Own and Operate)



# NACRE: Advanced Bioethanol Production in Lacq

**Local Biomass**  
120-150 kt/an<sub>(sec)</sub>

- Lignocellulosic crops **≥ 70 kt/an**
- Forestry Residues **≥ 55 kt/an**

**Human Resources**

- Biomass production **2 x 200**
- Biomass logistics **x 60**
- Plant operation **x 50**
- Construction jobs **x 400**

Partners: DEMETER, BANQUE des TERRITOIRES, cargolux (YOU NAME IT, WE FLY IT!), euràlis (NOURRIR VOTRE CONFIANCE), Axens, Alliance (FORÊTS BOIS), ifP (Energies nouvelles), FRANCE 2030, ADEME (AGENCE DE LA TRANSITION ÉCOLOGIQUE).

Plant Name: **Futurol®**

Operator: **nacre**

**Biomethane**  
≈ 5 kt/y

**Advanced Bioethanol**  
30 kt/an

**Biogenic CO<sub>2</sub>**  
≈ 40 kt/y

**Lignin**  
≈ 55 kt/y<sub>(sec)</sub>

- Injection Into network
- Fuels (SAF) Chemical Ind.
- e-fuels, food
- Steam

