



# Energy Transition: green H<sub>2</sub> facility for mobility in Madrid

IV Congreso Internacional de Ingeniería Energética

Valencia, April 20 & 21, 2023

# Exolum is the leading logistic company of bulk liquid products in Europe



**1<sup>st</sup> logistic operator** of liquid product in Europe



More than **95 years** of experience



More than **2.100** employees



**Spain, UK, Ireland, Germany, Netherlands, Ecuador, Panama, Peru**

## Extensive asset footprint



**+6.000 km**  
Of refined products pipelines



**+11.000.000 m<sup>3</sup>**  
Of storage capacity



**68 terminals**  
for product storage



**46** airport facilities



**13** port facilities

## End-to-end logistics services



### Proven business model for transportation & storage

- Sustainable & safe
- Efficient & cost competitive
- High degree of automation



### Diverse liquids products

- Refined product
- Chemicals
- Biofuels

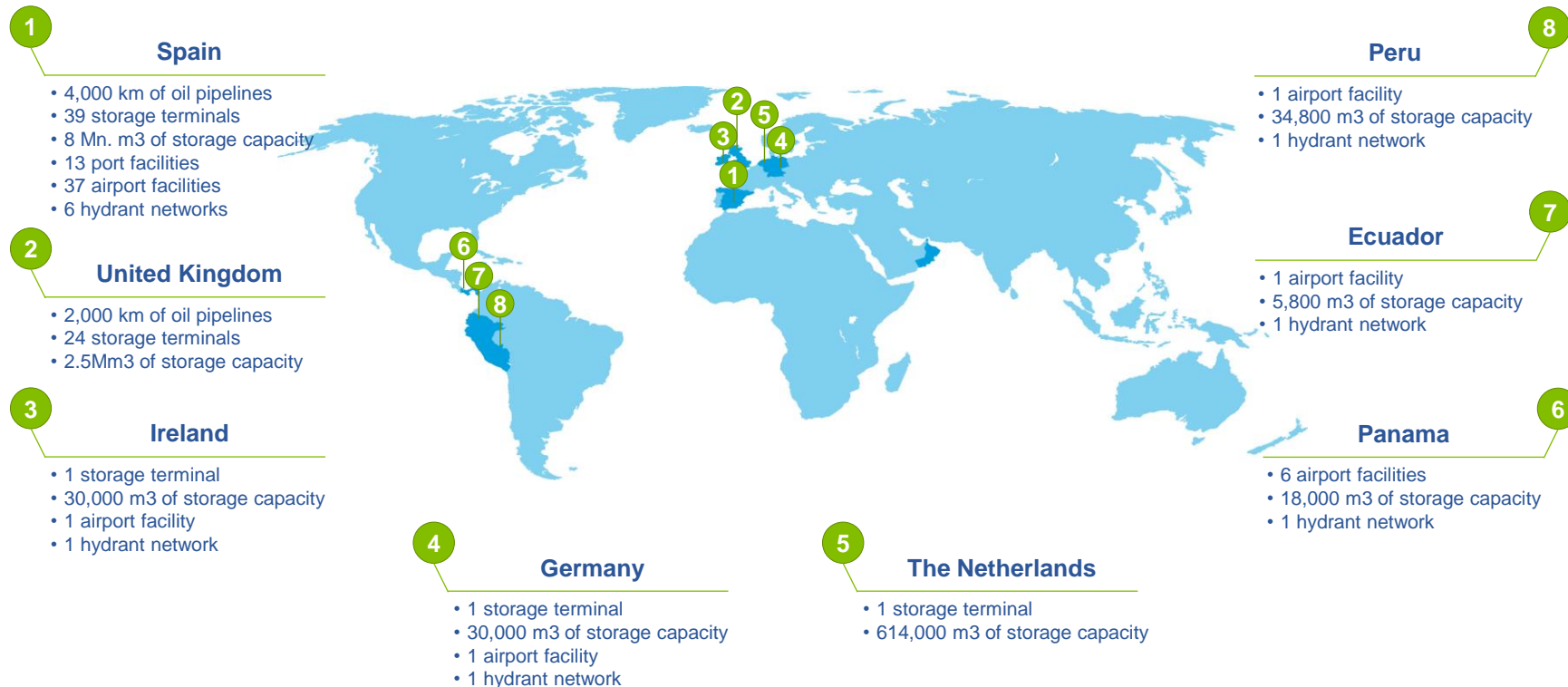


### Broad experience in the development of infrastructure

- Engineering & design
- Construction & decommissioning
- O&M

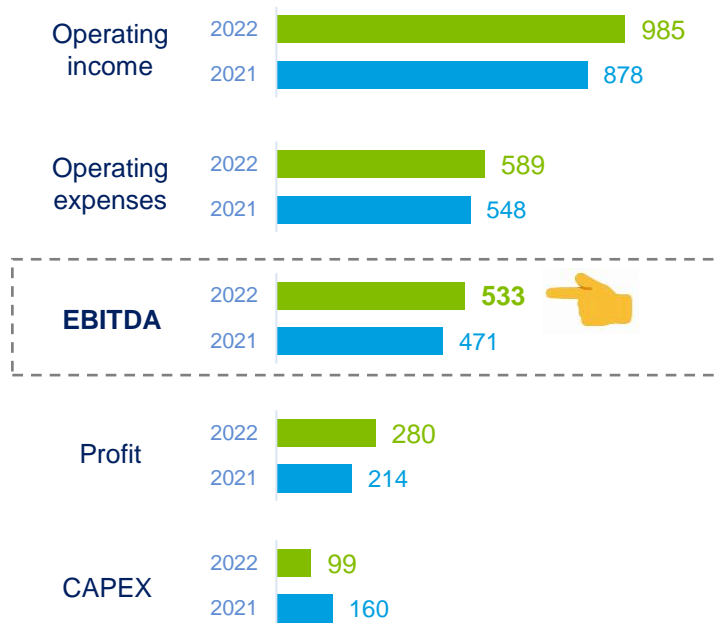
# Strong international growth: 1 country per year

Exolum started its international expansion in 2014 and continue to grow

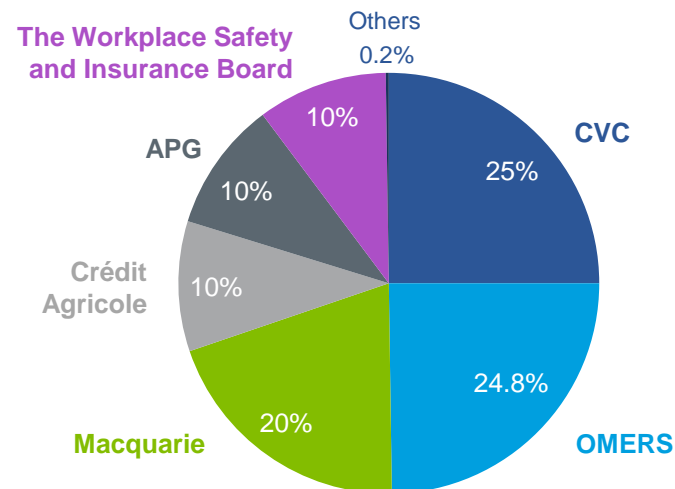


## Robust financial performance attracting relevant international investors

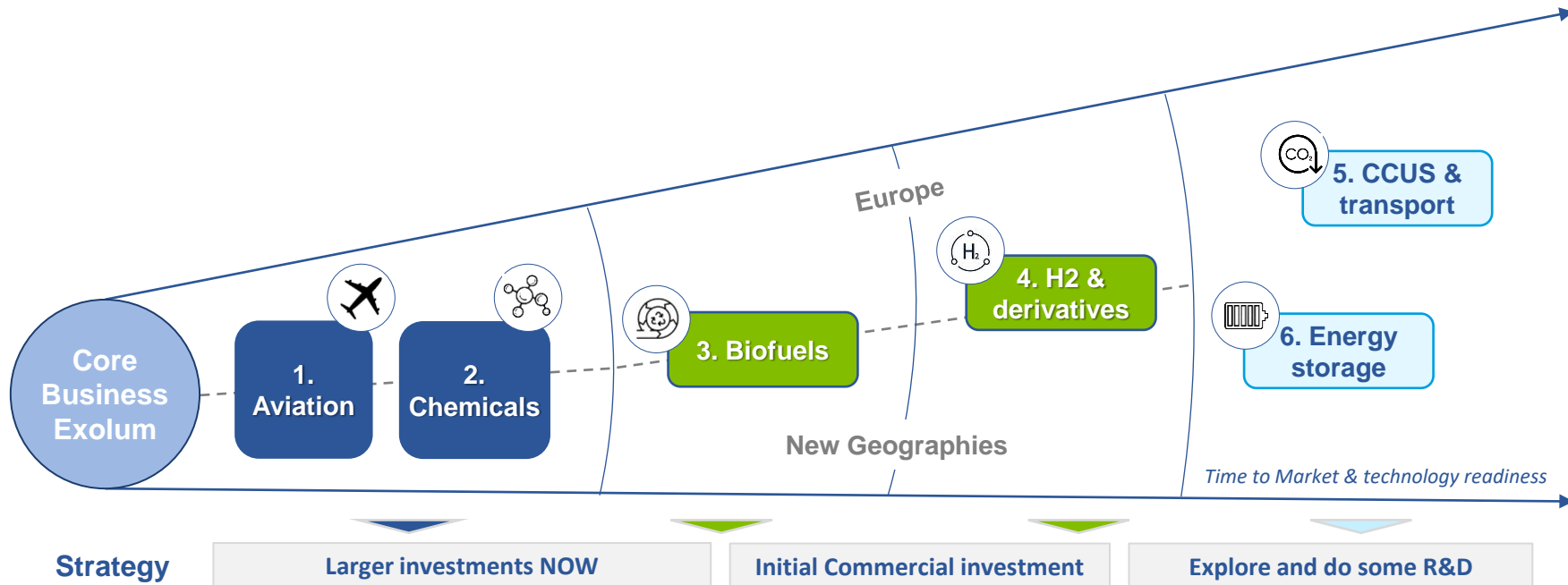
### Financial key indicators (M€)



### Shareholding structure



Exolum's strategy is to fulfil the new transportation & storage needs required by the fuels and chemical products of the future



# H<sub>2</sub> Henares: 60 ton/year to supply 6/8 buses on daily routine

First integrated off-grid green hydrogen production and supply facility in Madrid

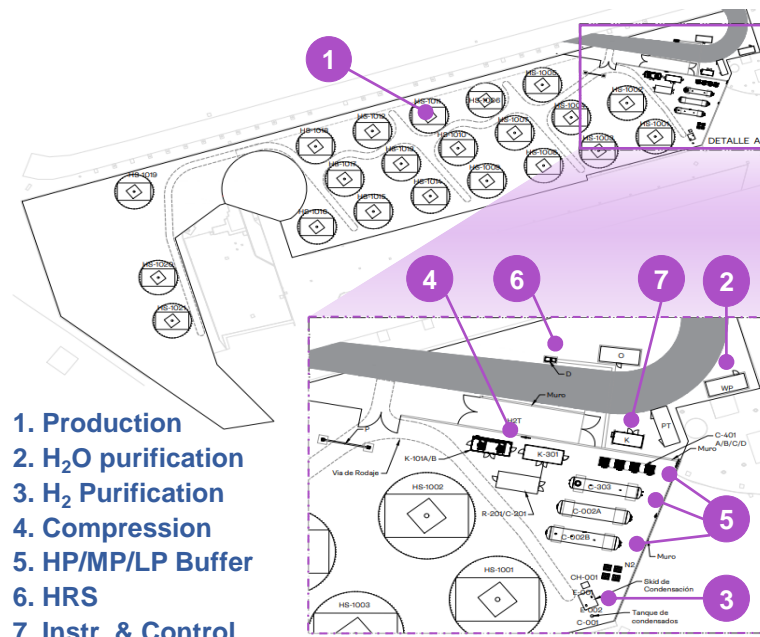
## Torrejón de Ardoz

1 Ha for the H<sub>2</sub> facility

Largest inland terminal in Europe



## H<sub>2</sub> Henares



# Pioneer technology from Fusion Fuel: on-site & off-grid H<sub>2</sub> production

## HEVOs



21 Hevo units installed

380 gr/hour of H<sub>2</sub> per Hevo Solar



288 PEM electrolyzers in each Hevo

Two-axis movement

## Purification to ensure H<sub>2</sub>O and H<sub>2</sub> quality

H<sub>2</sub>O



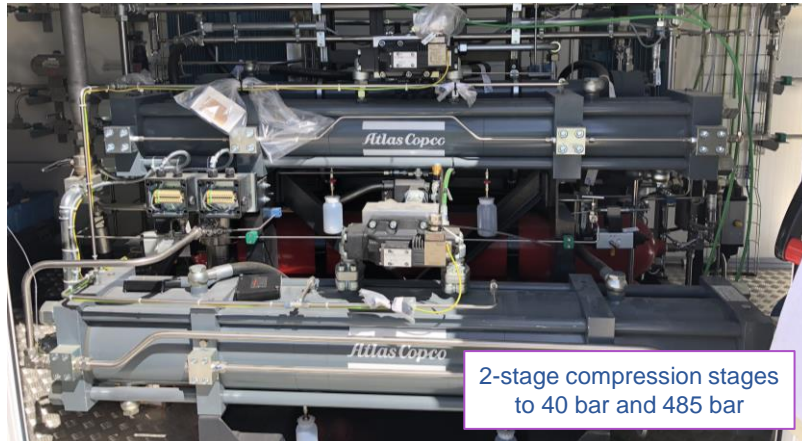
H<sub>2</sub>





## H2 Henares components: compression and storage

### Compression



### HP / MP / LP Buffer



## Safe and continuous supply of green H<sub>2</sub> to vehicles

HRS



exolum

**Thank you**