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# Teaser

**Series A – March 2023**

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Strictly Confidential



# New mobility requires a huge amount of battery-grade lithium

- Global Electric vehicles demand forecasts more than 50m cars on the road in 2030 with an average of 50kg of battery-grade lithium chemicals per car
- CO2 emission standards for new cars require a shift to battery-powered electric vehicles
- More than \$300bn spent by global support policy framework implemented by governments to enhance electric vehicles transition

# Battery-grade lithium is not available in Europe

European carmakers and battery producers rely on foreign suppliers for lithium carbonate & hydroxide

0%

*Current lithium refining capacity in Europe*

# Current refining solutions are very polluting

Current refining solutions use hard rock minerals which is highly energy intensive

18%

*Lithium chemicals represent 18% of the total battery CO2 footprint*

## **Viridian is on a mission**

Enable Europe to refine a variety of feedstock to produce battery-grade lithium carbonate & hydroxide with the lowest carbon footprint

## **The best refining process**

Viridian is empowering the automotive industry to source various qualities of brine & recycled lithium

## **The most competitive business model**

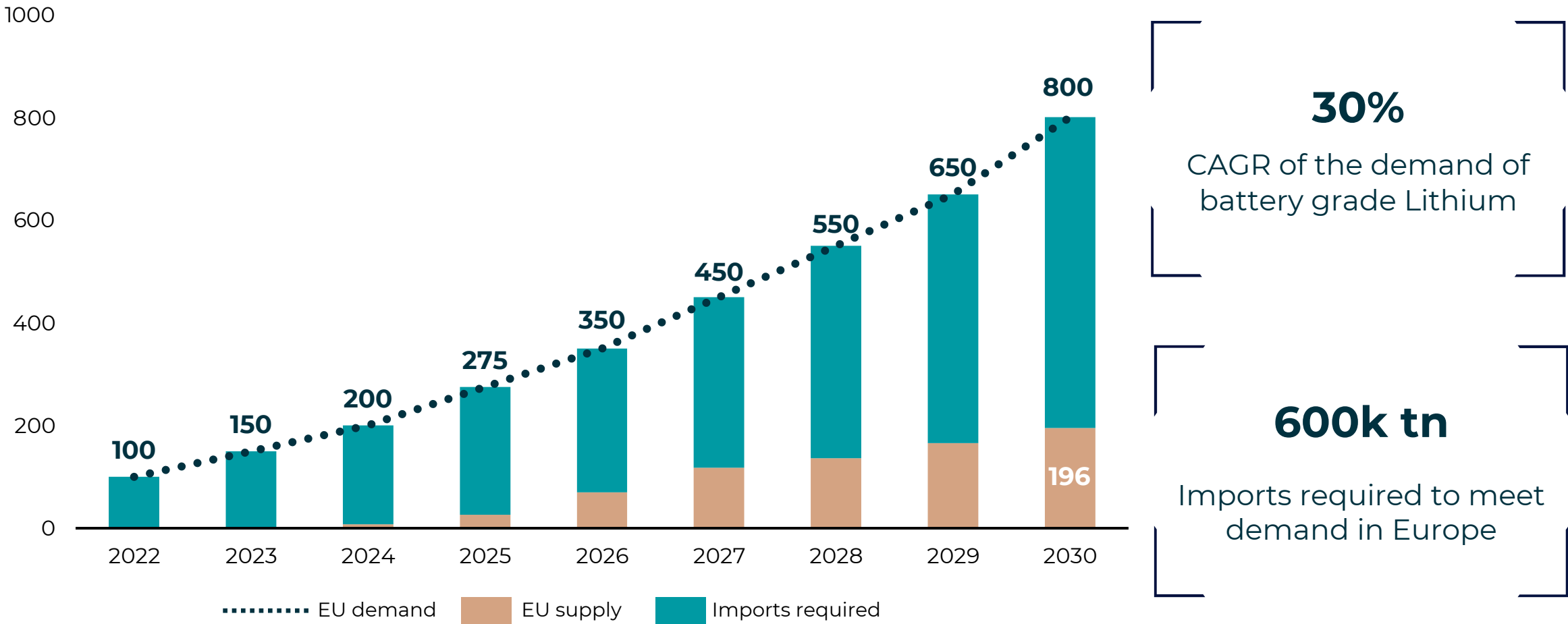
Viridian has a unique fee-based tolling model which allows a very competitive pricing strategy

## **The lowest carbon footprint**

Viridian is able to produce lithium hydroxide with the lowest carbon footprint

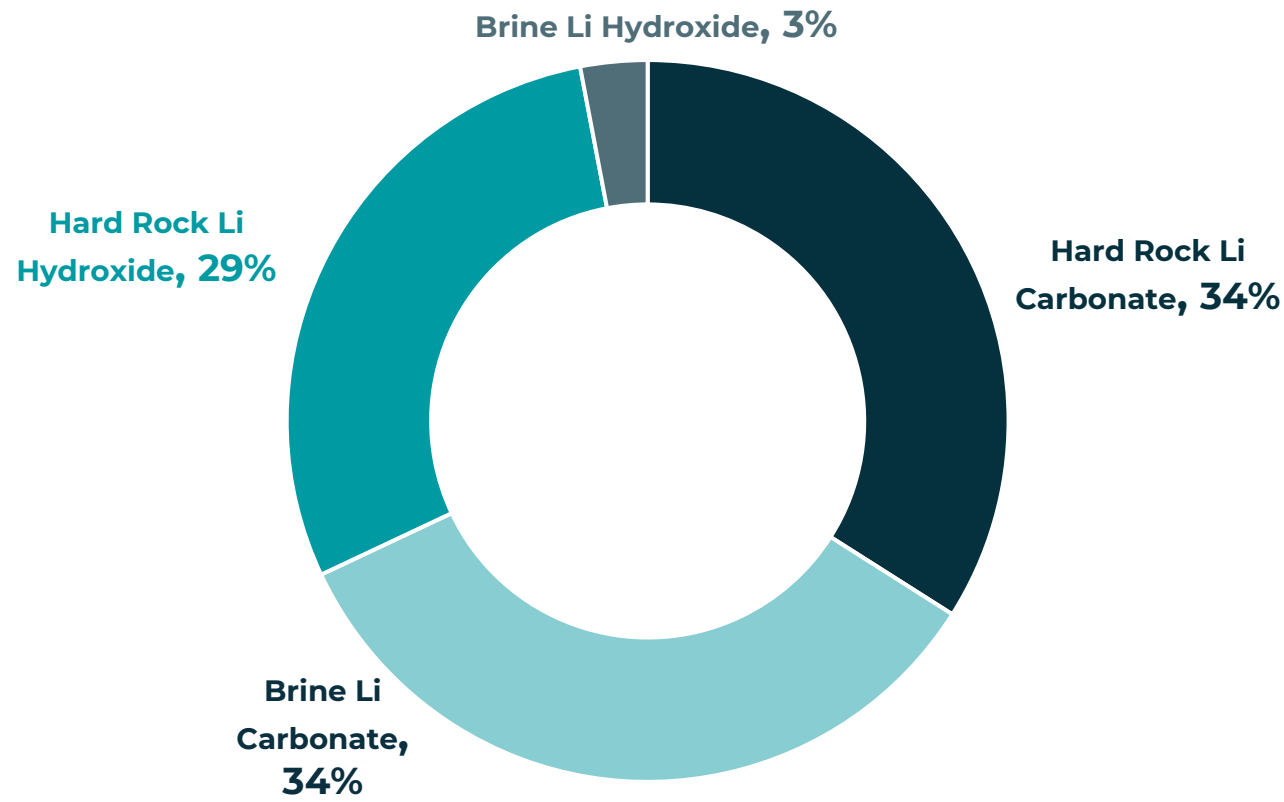
# Huge demand for lithium carbonate & hydroxide

EU supply & demand for battery grade Lithium chemicals (in k tn/year)



# Hard rock is the prominent source for lithium hydroxide

2020 lithium product and source production split



**Only 10%**

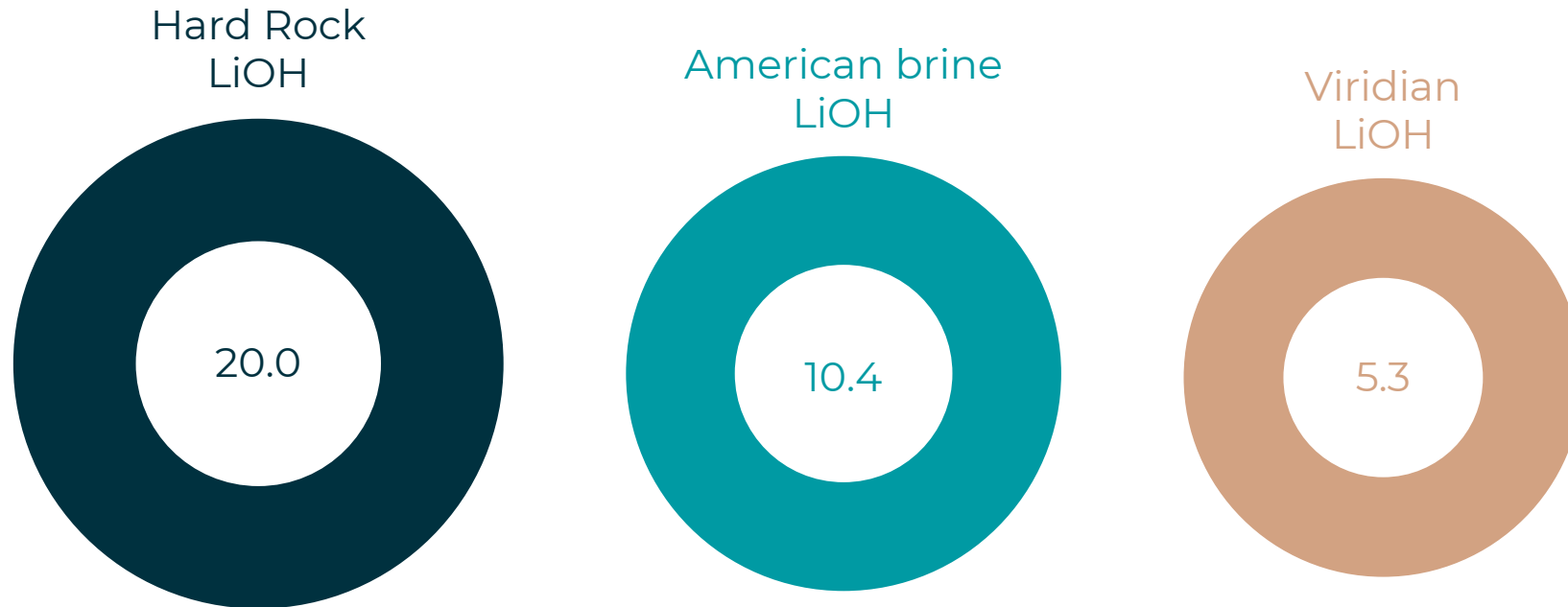
of hydroxide production  
comes from brine sources

# High CO2 emissions for hard rock sourced lithium hydroxide

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The lowest CO2 footprint of any battery grade lithium hydroxide

*(in tn of CO2 emissions per tn of lithium hydroxide produced)*



**10%**

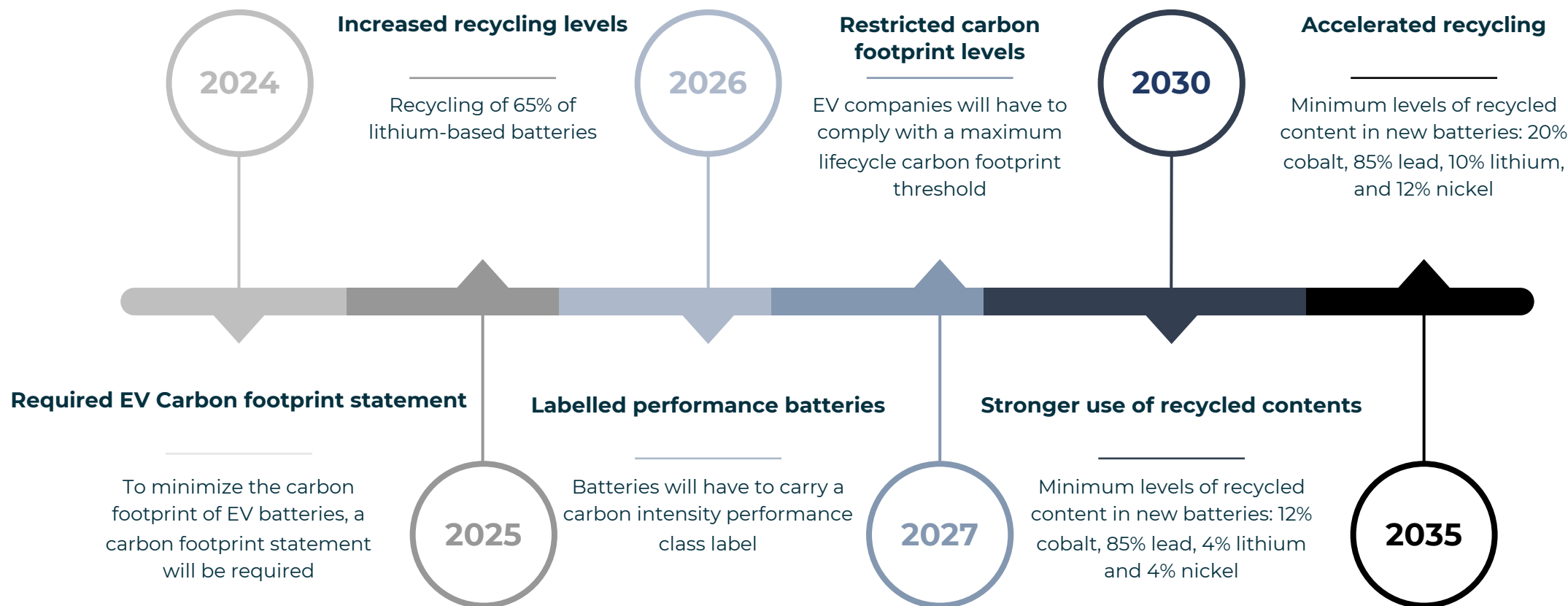
Viridian reduces the total battery carbon footprint by 10%

**4x**

Hard Rock LiOH is emitting 4x more CO2 than Viridian LiOH



# The lithium industry will face more restrictive regulations

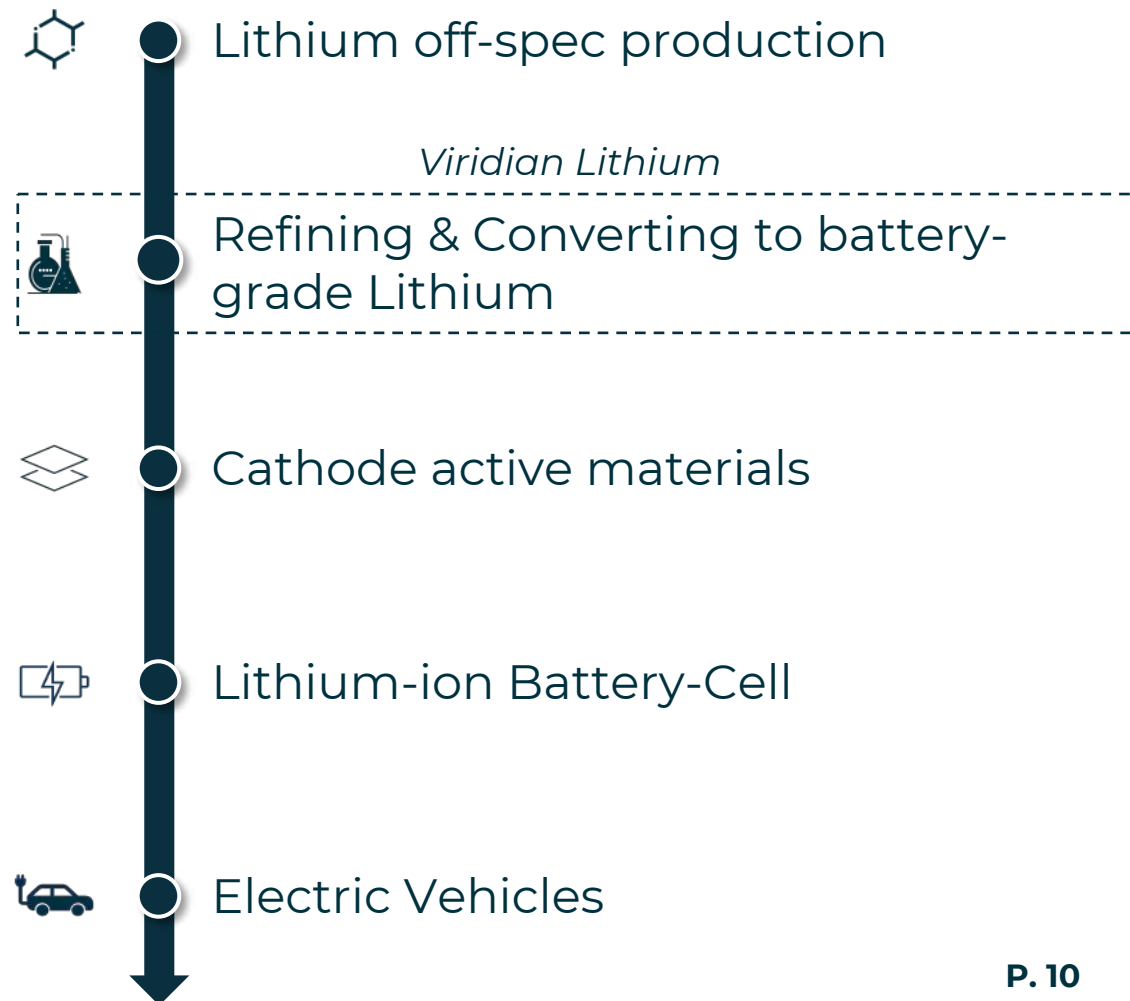


# Viridian unlocks battery-grade lithium for Europe

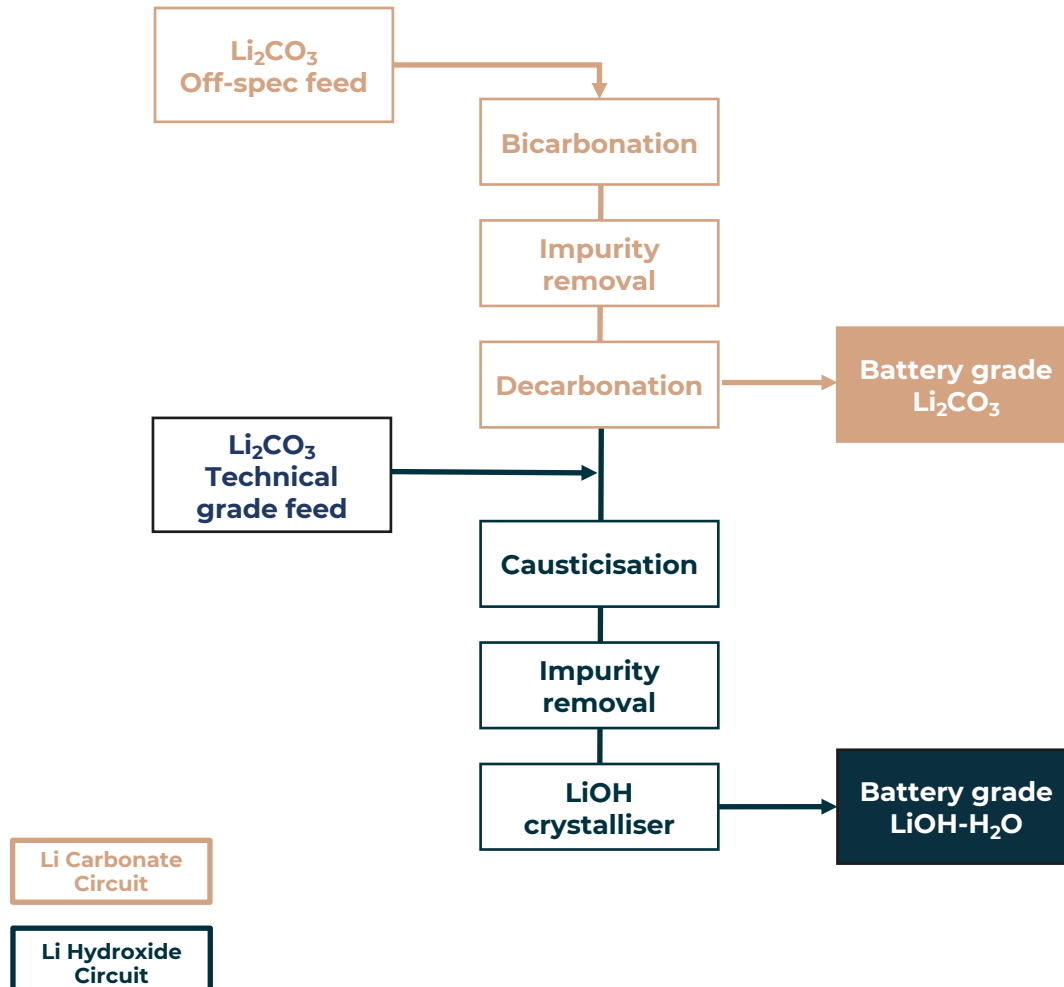
- Refine all off-spec lithium feedstocks
- A tolling fee business model providing long-term price competitiveness & recurring revenues
- Extremely low carbon footprint to meet the automotive industry requirements

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## Electric vehicles value chain



# A process designed to accept all Li feedstock



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## Universal refining plant

Able to process all forms of Li<sub>2</sub>CO<sub>3</sub> feed

## High recovery

97%+ recovery capacity

## Low CO<sub>2</sub>

Hard Rock LiOH is emitting 4x more CO<sub>2</sub> than Viridian LiOH

# Lauterbourg: A future European refining hub

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## Large industrial site

20 ha at the heart of the port of Lauterbourg

## Logistics hub

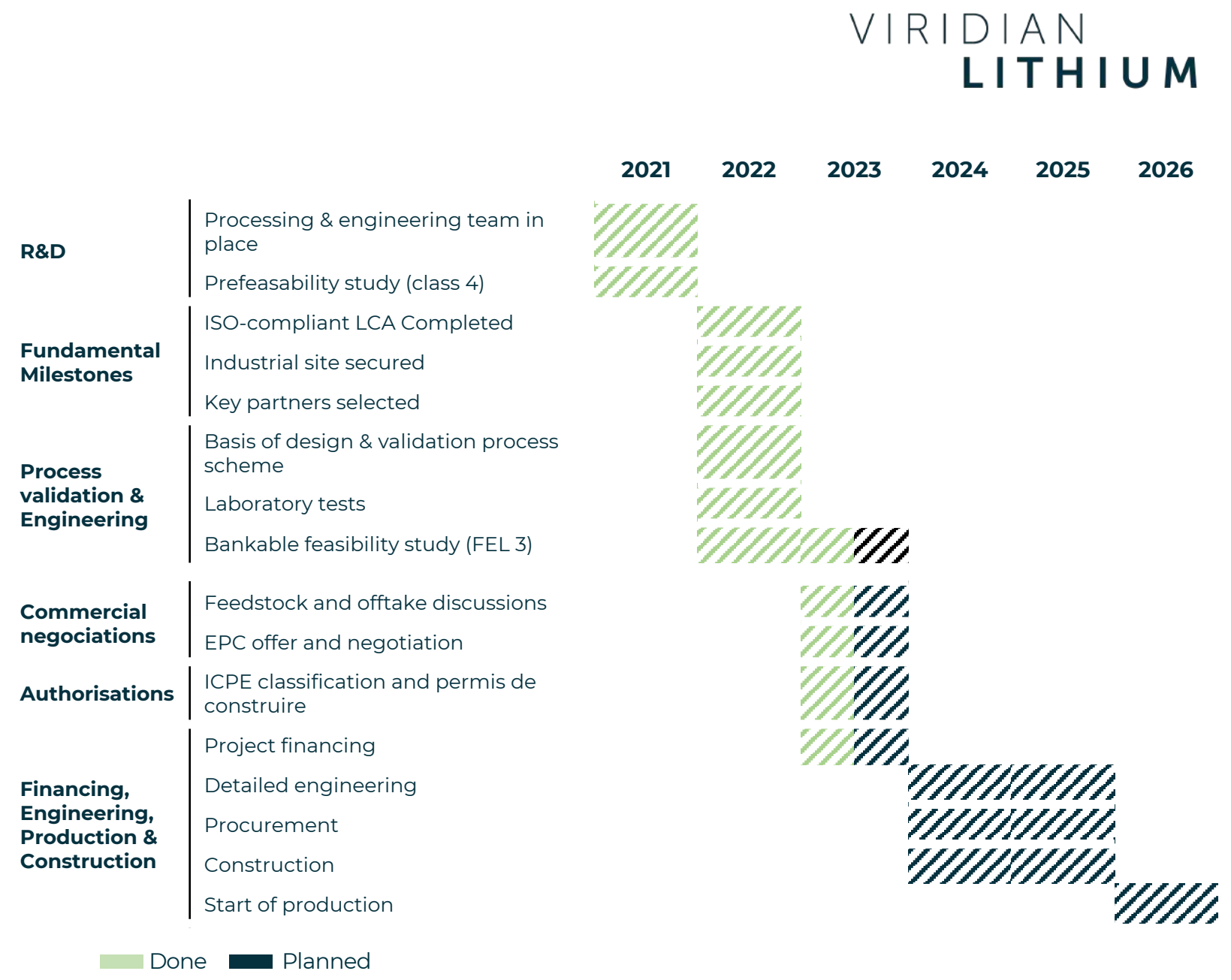
Tri-modal access and premium container amenities

## European doorway

High distribution network in Europe

# A Fast-track project in Europe

- A large industrial site to build a European lithium refining hub
- Process engineering & Project management expertise from in-house technical team and Technip
- 50% of phase-1 production capacity already secured
- A fast-track permitting process thanks to France 2030 program





# A team of experts

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**Rémy Welschinger**  
*President - Cofounder*

- 15 years of Finance and Corporate Development experience across the lithium and banking industries
- Previous director at Infinity lithium and Head of commodities sales in Europe at Deutsche Bank



**Michel Péretié**  
*Cofounder*

- 40 years of Corporate and Investment Banking experience
- CEO and Partner at RiverRock and previous CEO of the Corporate and Investment Banking Division of Société Générale



**Ryan Parkin**  
*Cofounder*

- 15 years of Finance and Corporate Development experience in both listed and unlisted companies
- CEO and Managing Director of Infinity Lithium



**John Starink**  
*CTO- Cofounder*

- 40 years of Chemical Processing experience in Lithium downstream integration
- Previously worked on process development and implementation for Talison, Tianqi, Galaxy, Pilbara Minerals and Covalent



**David Maree**  
*Head of process development*

- 15 years of innovation and engineering experience in lithium processing
- Previously feasibility manager multi-national Tianqi and Principal Research Scientist for Talison



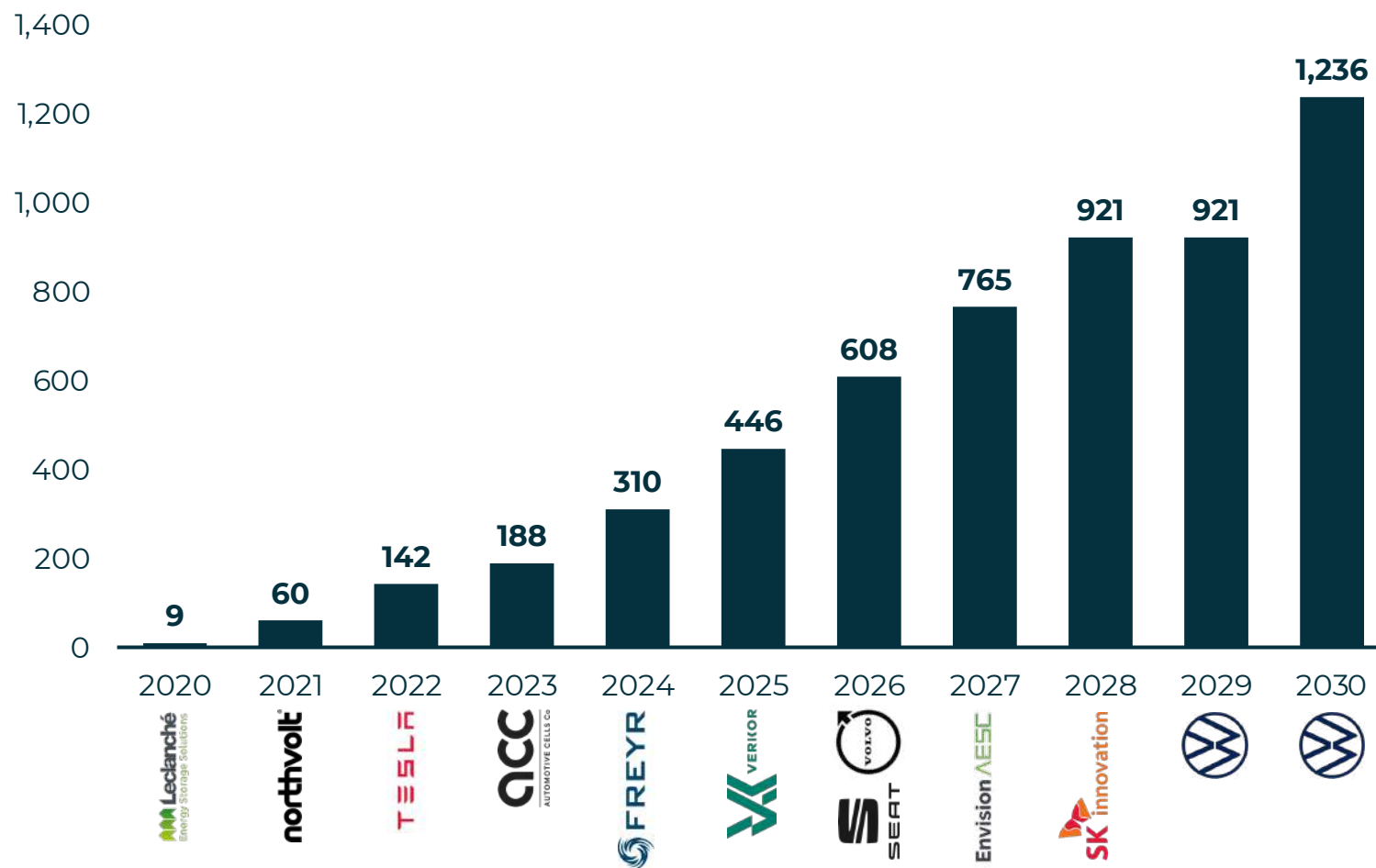
**Pierre Goubeyre**  
*Chief operating officer*

- 10 years of industrial project management experience
- Previously worked on design and construction of complex plants at GEA group

# €4.5bn total addressable market in 2030

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European gigafactories cumulated production capacity (in GWh)



**€4.5bn\***

European addressable  
market for Viridian per  
year in 2030

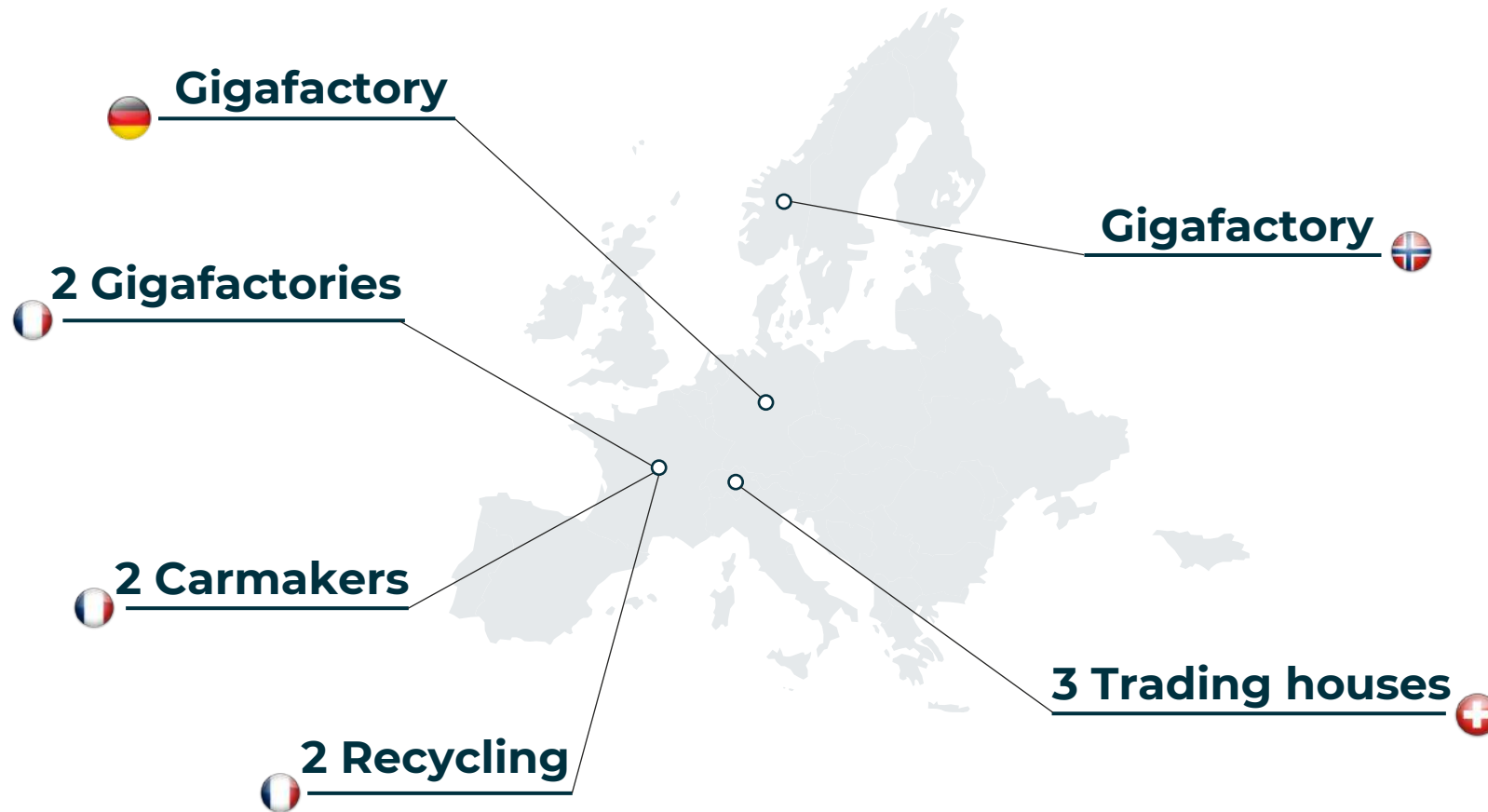
**40+**

Operational  
gigafactories  
in 2030

# Strong commercial momentum with €450m in potential revenues from ongoing discussions

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Advanced commercial discussions for Viridian





# France 2030: a powerful enabler



## Fast-track administrative process

The local authorities and public institutions are mandated to support Viridian's project. This allows:

- **An accelerated process**, and a shortening of the time necessary to the acquisition of some building permits
- **Better access to required official documents**, including ICPE\* authorizations



## A better access to funds

Viridian's involvement in the France 2030 program makes it eligible to a series of funds spread over the next 42 months

- **€12m allocated by France 2030**, including €6.4m available in 2023
- **€5m allocated by BPI France Strasbourg**, to leverage on 10m€ new equity and €12m of France 2030



Viridian was selected to be part of the **France 2030 Métaux Critiques** initiative, a government funded program whose goal is to develop the country's industrial competitiveness and environmental independence. As a result, this does have some **strong positive implications** for Viridian at the **administrative and financial levels**

\*Facilities classified for the protection of the environment

# Viridian is looking to raise €10m in equity

## €10m fundraising

1



### Unlock France 2030 grants

Unlock a part of the **€12m funds** allocated  
by the **France 2030** program

2



### Enable project fast-tracking

Support the **fast-track industrialisation  
processes** and allow **downpayment of  
Capex**

3



### Select strategic investors

Benefit from **investors sector expertise**  
and valuable support in the **project  
implementation**



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## Dedicated team

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