



arverne
— v — GROUP



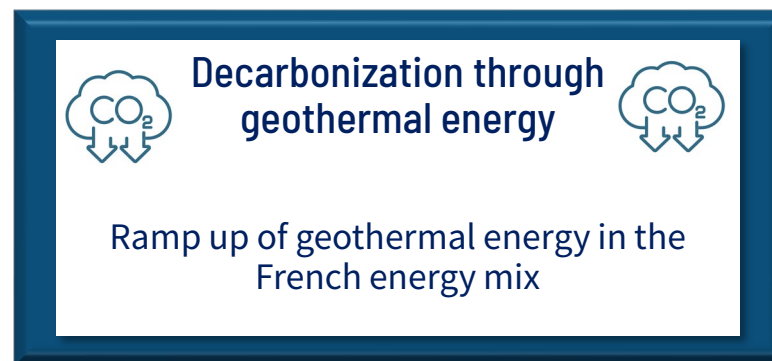
Through its unique know-how, Arverne Group unleashes the potential of geo-resources and sustainably values them for a pragmatic energy transition dedicated to the prosperity of the local community.



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A **At the heart of the decarbonization challenge : the earth subsurface**

Our goal is to reveal the potential of renewable subsurface resources



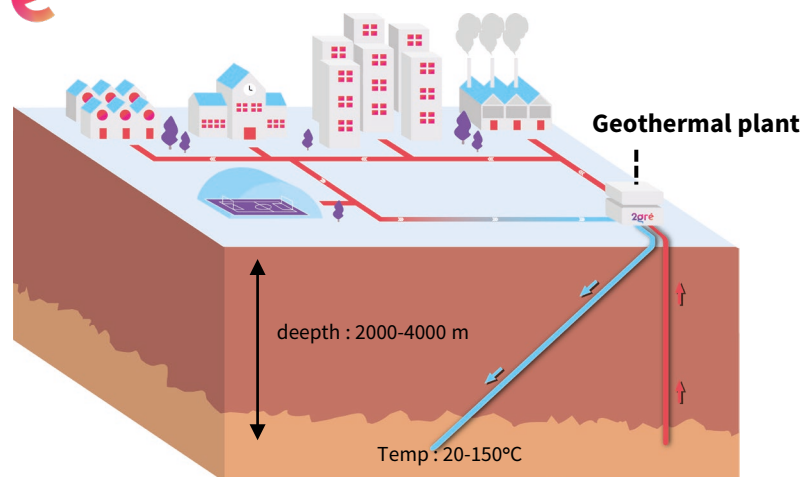
**Becoming a national champion
in the geothermal sector**

**Securing supplies of critical
metals, especially lithium**

An integrated player across the whole value chain of subsurface resources

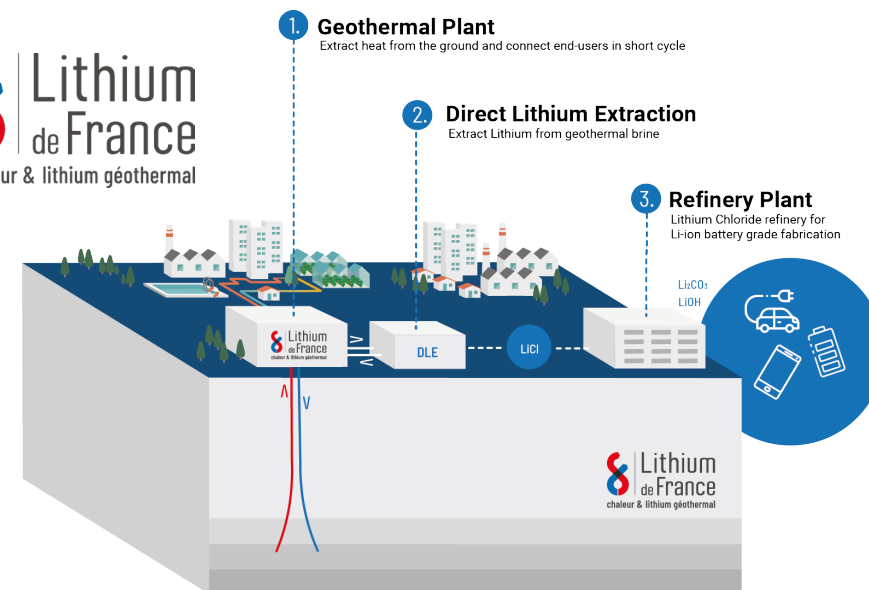
The Group relies on subsidiaries with strong local roots and complementary expertise

2gré



Geothermal heat

Lithium
de France
chaleur & lithium géothermal



Geothermal heat and lithium

DrillDeep arverne
DRILLING

Drill
Heat



With a key industrial tool: drilling

Unique expertise for our external customers and for our own operations

A mission-driven company

We have chosen to make a commitment by becoming “mission-drive company”, in accordance with the Pacte law. This mission is part of Arverne’s raison d’être :

“Through its unique know-how, Arverne Group unleashes the potential of geo-resources and sustainably values them for a pragmatic energy transition dedicated to the prosperity of the local community”



With 2 objectives :

1. Acting as an ambitious energy player to champion a pragmatic energy transition

2. Encouraging a virtuous society by building on the strength of our staff and regions



10 CSR targets dedicated to climate, environment, well-being of the employees, and development of the local communities where the Group operates

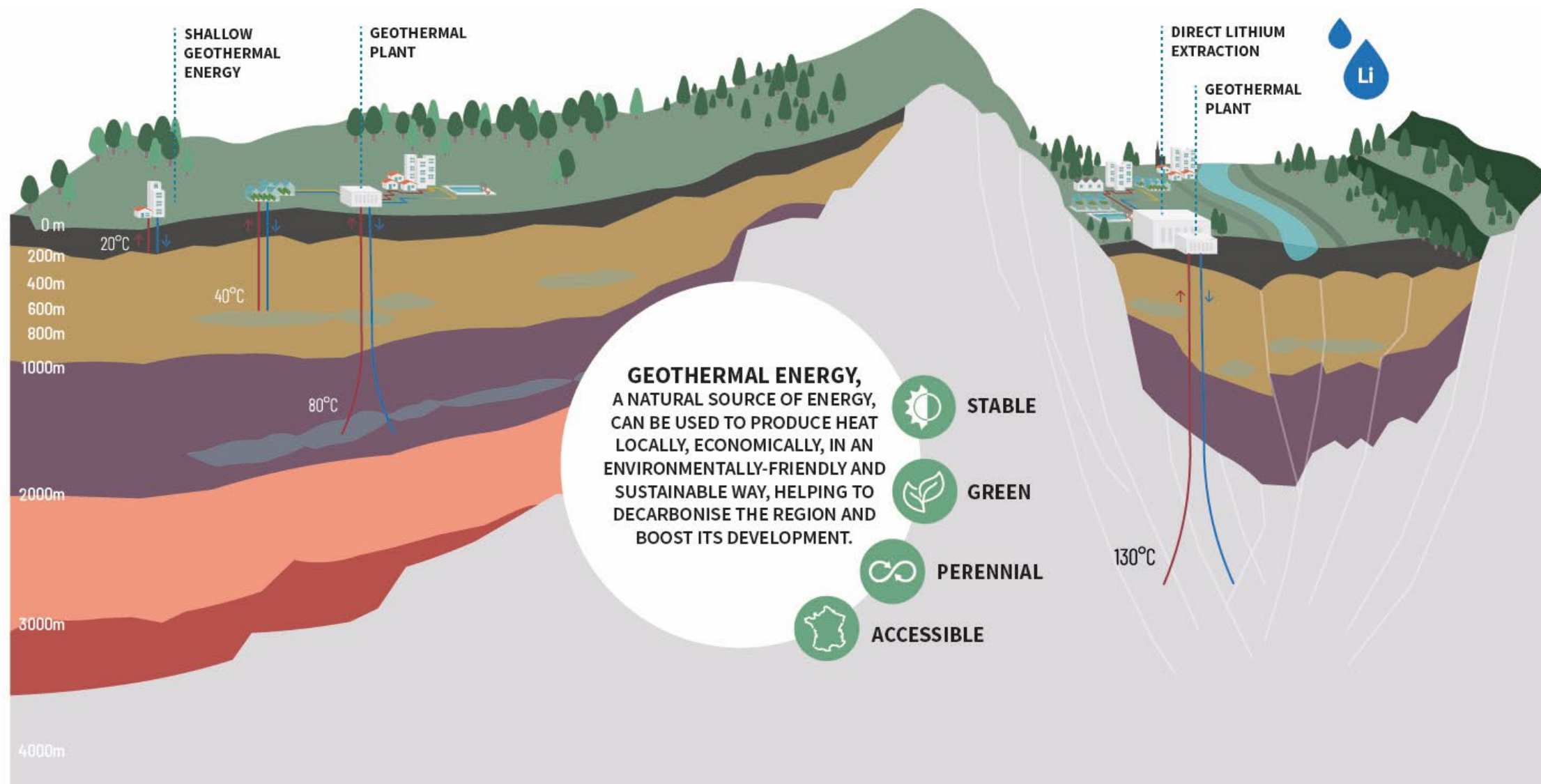


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GEO THERMAL ENERGY

Geothermal energy

Arverne Group is developing several types of geothermal energy



2gré : geothermal heat



15 employees
At the end of June 2024



5 explorations
permits granted



1st geothermal
production in 2026

BUSINESS

- Production and sale of **geothermal heat to district heating networks and industrial customers** to support the energy transition

AMBITION

- Becoming a leader in geothermal energy over the next few years, with a production of 1,8 TWh/y by 2031



2024 MAIN ACHIEVEMENTS

- Structuring a **team of experts** : geologists, drilling engineering, surface engineering...
- Construction of a **portfolio of projects** with 410 GWh in contracting
- **100km² 3D exploration campaign** on the « Riom Clermont Métropole » permit



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GEO THERMAL LITHIUM

Lithium de France : geothermal heat and lithium



36 employees
At the end of June 2024



4 exploration
permits granted
2 permits in
instruction



1st lithium
production in 2028



Main co-shareholders



BUSINESS

- **Production of geothermal heat and lithium**
- Supplying renewable, non-intermittent, low-carbon heat to the local authorities
- Supplying battery-grade lithium, an essential metal for the energy transition, produced locally in a responsible and environmentally-friendly way

AMBITION

- Contributing to the decarbonization of the local economy, to the sovereignty of energy supply and critical materials, and to the green reindustrialization of the region.
- With a heat production of 2,2TWh/year and 27kT of lithium carbonate per year in 2031

2024 MAIN ACHIEVEMENTS

- Two 3D exploration campaigns, with **310km²** of subsurface imaging data acquired
- Construction of a **1st network of monitoring stations**
- Finalisation **of a pre-feasibility study** on geothermal lithium
- Selection of downstream process and final product





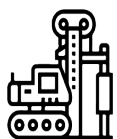
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DRILLING

Deep drilling



98 employees
At the end of June 2024

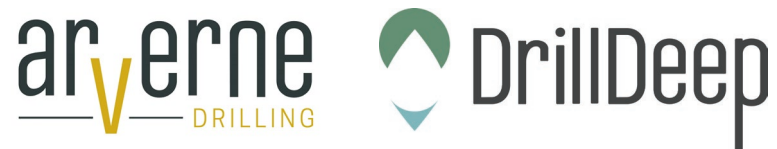


3 drilling rigs
at the end of June 2024



5,000m
max drilling capacity

Partenaire



BUSINESS

- A strategic tool for Arverne available for the operations of its subsidiaries
- A modern, integrated deep drilling tool to secure the timetable for drilling operations



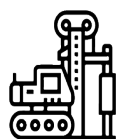
2024 MAIN ACHIEVEMENTS

- Creation of **DrillDeep**, a subsidiary cofounded with **Herrenknecht AG**
- Work-over contact with **Storengy** (6 wells delivered in 2024, **18 wells delivered since 2022**)
- **Drilling of a geothermal doublet** for **ADP** at Roissy-CDG airport
- Finalisation of the co-design with Herrenknecht AG of a new **deep drilling rig**, delivery December 2024

Shallow drilling



20 employees
At the end of June 2024



6 drilling
machines
à fin juin 2024



300m
max drilling capacity

Partners

eren accenta.
GROUPE

DrillHeat

BUSINESS

- DrillHeat is meeting strong demand from a wide range of customers and preparing Arverne Group to expand its range of renewable heating and cooling solutions



2024 MAIN ACHIEVEMENTS

- Acquisition of **3 drilling machines**
- In 2024 : **31 projects** for local authorities and businesses
- Since its creation : **more than 489 geothermal probes installed**, corresponding to 79 846 meters
- **Open days** at several sites to showcase geothermal energy operations



M Management Team



**Pierre
Brossollet**

Founder & CEO of
Arverne Group



**Sébastien
Renaud**

Deputy CEO of
Arverne Group



**Thierry
Trouyet**

Deputy CEO of
Arverne Group



**Frédérique
Barthélemy**

Impact & Engagement
Director of Arverne Group



Damien Bévillon

Exploration Production
Director of Arverne
Group & CEO of 2gré



Guillaume Borrel

CEO of Lithium de
France



**Marianne
Daryabegui**

Head of financing,
Capital Markets and M&A



**Frédérique
Dosseur**

Legal Director of
Arverne Group



Loïc Haslin

CEO of Arverne Drilling
Services & DrillDeep



Frédéric Houssay

New Business Director
Grand Est area



Christophe Labes

New Business Director
Nouvelle Aquitaine area



Patrice Landolt

CEO of DrillHeat



Emeline Othax

CFO of
Arverne Group



**Guillaume
Saincaize**

Human resources Director
of Arverne Group



**Guillaume
Tarnaud**

Planning and Risk
Management of
Arverne Group

B Board members



1. **Pierre Brossollet** Chairman of the Board, Chairman of the Strategy, Risks and CSR Committee
2. **Tiphaine Auzière** Lead independent director, member of Nominations and Remuneration committee
3. **Xavier Caïtucoli** Director, member of the Strategy, Risks and CSR Committee
4. **Karine Charbonnier** Independant Director, member of the Audit committee
5. **Bruno Gérard** Independant Director, member of the Strategy, Risks and CSR Committee
6. **Jérôme Gouet** Permanent representative of Renault SA, director, member of the Strategy, Risks and CSR Committee
7. **Manoelle Lepoutre-Saint-M'leux** Permanent representative of Arosco, director
8. **Colette Lewiner** Representative of Cowin, independant Director, Chairwoman of Nominations and Remuneration committee
9. **Françoise Malrieu** Independant Director, Chairwoman of Audit comittee
10. **Karine Mère** Representative of Ademe Investissement, director, member of the Audit committee
11. **Fabrice Dumonteil** Censor

Our ecosystem

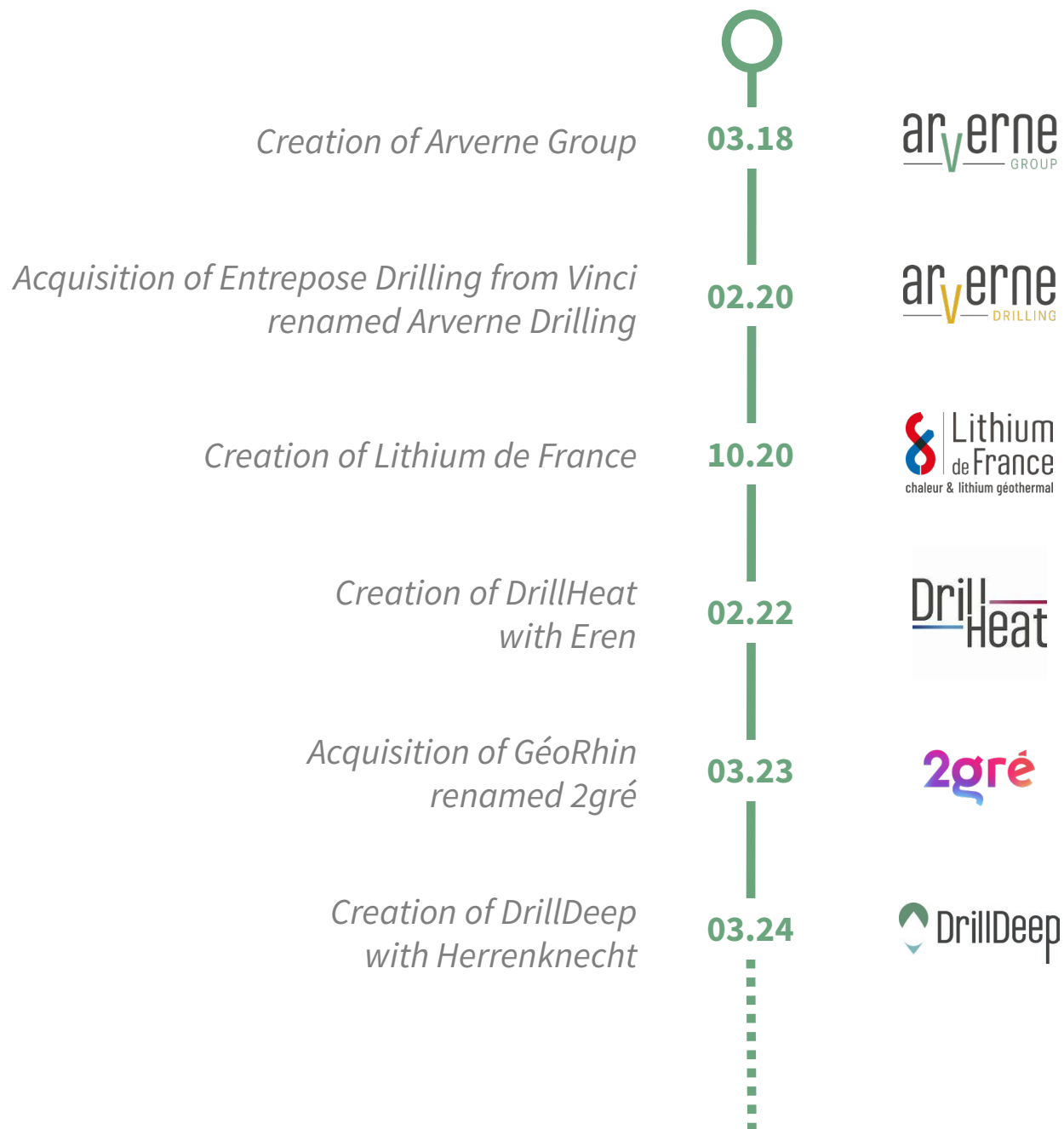
We have established **structuring partnerships** with global key players and are supported by **strategic investors**.

MAIN SHAREHOLDERS



PROFESSIONAL ASSOCIATIONS





Our story

Arverne Group has already achieved many milestones ...

Outlook

...and has set ambitious targets

2026



1st heat production

2028



1st lithium production

Consolidated revenue: €180 – 220m

Current EBITDA margin ~ 40% (*)

2031



1,8 TWh : annual heat production



27kt : annual lithium carbonate production

2,2TWh : annual heat production

Consolidated revenue: €900 - 1 000m

Current EBITDA margin ~70%

Growth trajectory may be adjusted depending on the results of the final feasibility study

** 2028 Ebitda target includes a dominant 'intra-group' contribution of €15m from drilling activities in an adjusted timetable following the finalisation of the PFS*



1.

A market driven by decarbonization and energy sovereignty issues

2.

An experienced management team, key shareholders and a board of directors with complementary profiles

3.

Strategic partnerships with international key players

4.

An integrated business model with a presence over the whole value chain, from sub-surface analysis to drilling and sales of the resources

5.

A large portfolio of Exclusive Exploration Permits and 3D subsurface data

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A mission-driven company since 2022

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