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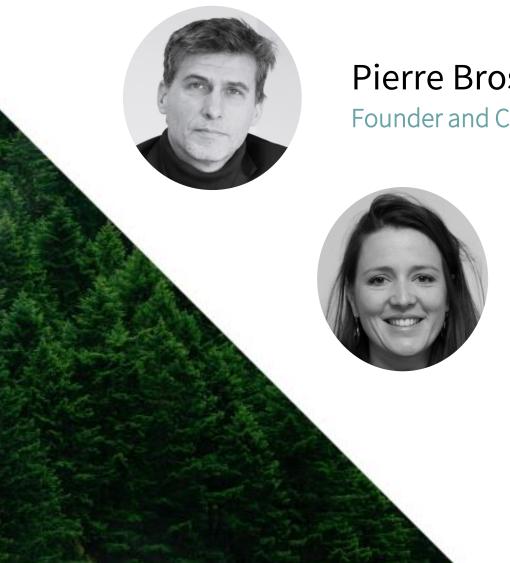
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Certain figures and numbers in this Presentation have been rounded, therefore, the totals and percentages shown in the tables do not necessarily equal the sum of the figures, amounts or percentages rounded individually.





Pierre Brossollet

Founder and Chairman & CEO of Arverne Group

Emeline Othax

Chief Financial Officer of Arverne Group



Guillaume Borrel

General Manager of Lithium de France

- Introduction / key messages
- Major achievements over the period
- H1 2024 financial results
- Lithium de France: positive results of the Pre-Feasibility Study (PFS)
- Outlook
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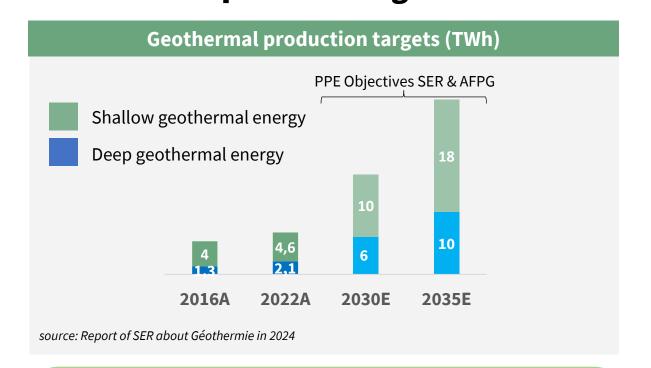
Introduction



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Significant potential geothermal production capacities with multiple advantages





Geothermal energy in France :

7 TWh (2022), around 4% of the renewable heat

Geothermal energy potential: - I

130 TWh

Multiples advantages

- Renewable and low carbon
- Continuous
- Sovereign

- Local

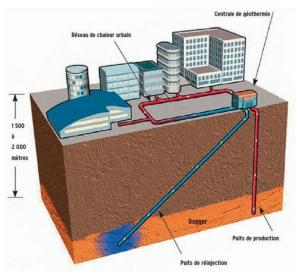
Description

Depth of the well: from 200 to 4000 m

Temperature recorded : from 20°C to 150°C

Use: heating networks for cities and

industrial customers



Source: BRGM

Sale of heat through long term contracts

A fast-growing portfolio of geothermal energy production projects

Adapting strategy to market trends: fewer doublets, more power, more operating hours



PROSPECTIVE PROJECTS 940 GWh

Identified prospective projects

- Prospects express geothermal needs
- Geothermal potential to be qualified

PROJECTS AT MEDIUM STAGE 750 GWh

PROJECTS IN DEVELOPMENT

1 340 GWh

1750 GWh

COMPLETION
410 GWh

Targeted prospective projects

- Analysis of the geothermal potential in progress
- o High level of confidence to access the geothermal ressource

Projects in development

- Discussion of contractual and commercial terms
- Technical pre-feasibility launched

Projects close to completion

- Surface assessment: property, network, identified customers, prefeasibility in progress
- Confirmation of the customer's interest, exclusivity and cooperation agreement in the process of being concluded

Key steps towards first production of heat and lithium





Ongoing sub-surface analysis

- Execution of two new 3D exploration campaigns covering 160 km²during summer 2024
- Total of 310 km² of imaging data acquisition

Preparation for drilling operations

- Construction of a micro seismic monitoring network (7 operating stations of which 2 underground)
- Ordering of equipments (« long lead items ») and services

Technical achievements: PFS

- Completion of a pre-feasibility study (PFS) on the surface facilities
- Validation of the extraction process through laboratory tests
- Selection of the upstream and the final product

New licenses in portfolio

- Grant of « Poteries Minérales » licence
- Submission of 2 new Exclusive exploration Permits

Strengthened teams

36 employees as of June 30, 2024 (21 as of June 30, 2023)



arverne







98 employees as of June 30, 2024 (71 as of June 30, 2023)



3 drilling machines as of June 30,2024 (2 as of June 30, 2023)



5,000mDrilling capacity



A modern drilling tool

Serving the group's subsidiaries

Control of availability and schedule

A strategic partnership with a major actor



Achievements over the period

- Creation of **DrillDeep**⁽¹⁾ with
 Herrenknecht AG
- 3 projects for **Storengy**
- B04: completion of renovation, inspection, certification and precommissioning
- **B018**: completion of the construction with Herrenknecht AG, delivery schedule for end of 2024
- Acquisition of a logistics facility located in Maisse

Shallow drilling





20 employees as of June 30. 2024 (11 as of June 30, 2023)



6 drilling rigs as of June 30, 2024 (3 as of June 30,



200m Max. drilling capacity



A presence on all market segments

Extended offer for low-carbon solutions

A high-growth market

A joint shareholder active in the energy transition

Achievements over the period

- Acquisition of 3 new drilling machines, raising the fleet to 6 machines
- **16 projects** for public authorities and commercial buildings
- 160 geothermal probes laid, corresponding to more than 26,000 meters drilled
- On site open doors day with ~100 attendees



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Gross business volume

The Group reports a gross business volume, key operational indicator, that includes the contribution of each subsidiary, including DrillHeat, a 50% owned subsidiary operated by Arverne Group. .

In thousands of euros	H1 2024	H1 2023
Deep drilling (Arverne Drilling Services)	4,369	5,239
Other	116	341
Consolidated revenues	4,485	5,580
Shallow drilling (DrillHeat))	1,550	884
	6,035	6,445

Turnover mainly generated by the drilling activity of Arverne Drilling Services (97,4 %)

Negative trend anticipated and forecasted, mainly due to the temporary interruption of a well maintenance earlier in the year

+75 %: strong increase of DrillHeat's turnover (50% integration) over the period vs H1 2023

Growth of activity driven by the investments to acquire new drilling machines

Strong growth from DrillHeat (+75 %)
Gross business volume slightly down 6.6%, in line with forecast

arverne

Consolidated income statement

In thousands of euros	usands of euros 06/30/2024 00		
Revenues	4,485	5,580	
External expenses	(7,030)	(4,301)	
Personnel expenses	(9,388)	(4,850)	
Taxes and duties	(171)	(114)	
Other operating income and expenses	3 245	538	
Current EBITDA courant (1)	(8,859)	(3,147)	
Depreciation and amortization	(948)	(905)	
Current operating income	(9,807)	(4,052)	
Other non current operating income and expenses	0	12,600	
Operating income	(9,807)	8,550	
Financial income and expenses	2,608	1,230	
Income tax	(224)	(520)	
Share of net income of equity-accounted companies	(2,125)	0	
Net income	(9,549)	9 261	
Of which Group share	(8,427)	10,374	
Of which non-controlling interests	(1,122)	(1,113)	

Turnover mainly generated by the drilling activity (97.4%) of ADS, adverse impact due to the anticipated interruption of a maintenance campaign beginning of the year

Personnel expenses: sharp rise in line with the increase in headcount (+56 full-time equivalents over the period) and the improvement of the Group's governance post merger

Including €3.4 million capitalised production related to the investments for the launching of the drilling campaign on Lithium de France, alongside the refurbishing and commissionning of rigs

Including badwill in the acquisition of 2gré (€6.5 million) and €7 million proceeds from the sale of Arverne Drilling shares (January 2023)

Financial income (€2.6 million) generated by the investment of surplus cash raised at the time of the listing

Impairment write-down on the current account with subsidiary DrillHeat

Balance sheet assets

06/30/2024	12/31/2023
41,934	39,192
26,558	19,445
3,166	3,448
71,658	62,085
-	<u>-</u>
4,599	3,123
9,152	13,661
136,800	143,229
150,551	160,012
222,209	222,097
	26,558 3,166 71,658 4,599 9,152 136,800 150,551

€2.7 million development of Exclusive Exploration Licences for Lithium de France and 2gré

€7.1 million investments mainly to prepare the rigs for the coming drilling campaigns

€1.5 million build up reserve inventory for DrillDeep in anticipation of drilling campaigns to start

Decrease linked to VAT payments (AG, LDF et ADS)

- **■** Total assets on par at €222 million
- €9.6 million capex deployed over the period in line with the Group's annual target

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Balance sheet liabilities

In thousands of euros	06/30/2024	12/31/2023
Capital and share premium	194,302	194,302
Accumulated results and other reserves	(37,612)	(30,210)
Non-controlling interests	13,710	14,346
Total shareholder's equity	170,400	178,438
		_
Non current borrowings and financial debt	17,601	10,322
Other provisions	1,214	1,214
Deferred taxliabilities	5,697	5,465
Other non current liabilities	3,280	3,437
Total passifs non courants	27,792	20,438
Current borrowings and financial debt	8,741	9,117
Other provisions	929	992
Other current liabilities	14,347	13,112
Total current liabilities	24,017	23,221
	222,209	222,097

Strong shareholder's equity as a result of the successfull company's listing end of 2023

Increase under effect of:

- the acquisition of the headquarters by means of a real estate lease (overall project totaling €2.3 million of which €0.9 million were made available on the period)
- a €4.4 million current account by Herrenknecht in the new susbsidiary DrillDeep dedicated to deep drilling M€ (Arverne Group holds 74% of the equity)

- Surplus net cash €118,2 million
- Financing secured until end of 2025

Cash flow statement

In thousands of euros	06/30/2024	06/30/2023
Net income	(9,548)	9,261
Depreciation, amortization and provisions net of reversal	1,149	809
Badwill	0	(6,496)
Other changes	4,074	(5,784)
Cash flow from operations	(4,326)	(2,210)
Change in inventories	(71)	
Change in trade and other receivables	(642)	(950)
Change in trade and other payables	612	2,865
Change in other current receivables/payables	3,165	(2,236)
Total change	3,064	(321)
Tax paid	(423)	166
Net cash flow from operating activities	(1,685)	(2,366)
Net acquisition of fixes assets	(5,496)	(816)
Capitalized development expenditures	(2,739)	(1,327)
Other changes	(1,008)	3,565
Net cash flow from investing activities	(9,243)	1,422
Capital increase	520	19,323
New borrowings	5,565	15,000
Repayment of borrowings	(1,512)	(6,754)
Other changes	(72)	
Net cash flow from financing activities	4,501	27,569
Change in cash and cash equivalents	(6,428)	26,625
Cash and cash equivalents as of January 1	143,227	3,165
Cash and cash equivalents as of June 30	136,800	29,789

VAT refund on invoices related to the public listing operation

Investment program in line with the Group's target

Conversion of the bonds (€15 million) into new shares at the time of the IPO

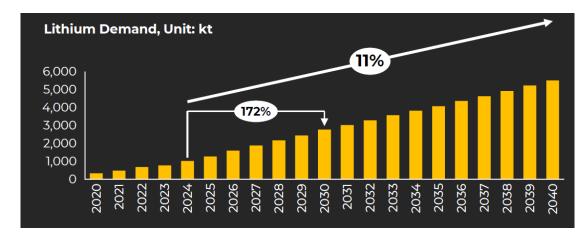
Debt increase over the period (€5.7 million) mainly explained by the current account in DrillDeep made by Herrenknecht (€4.4 million)

Significant gross cash that covers the Group's financial needs until 2025

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A structurally growing lithium market

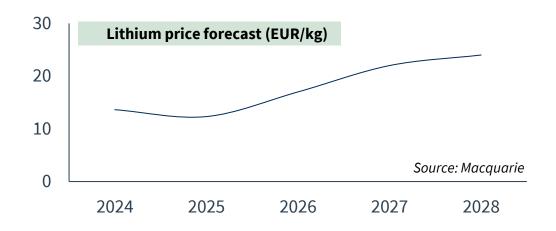




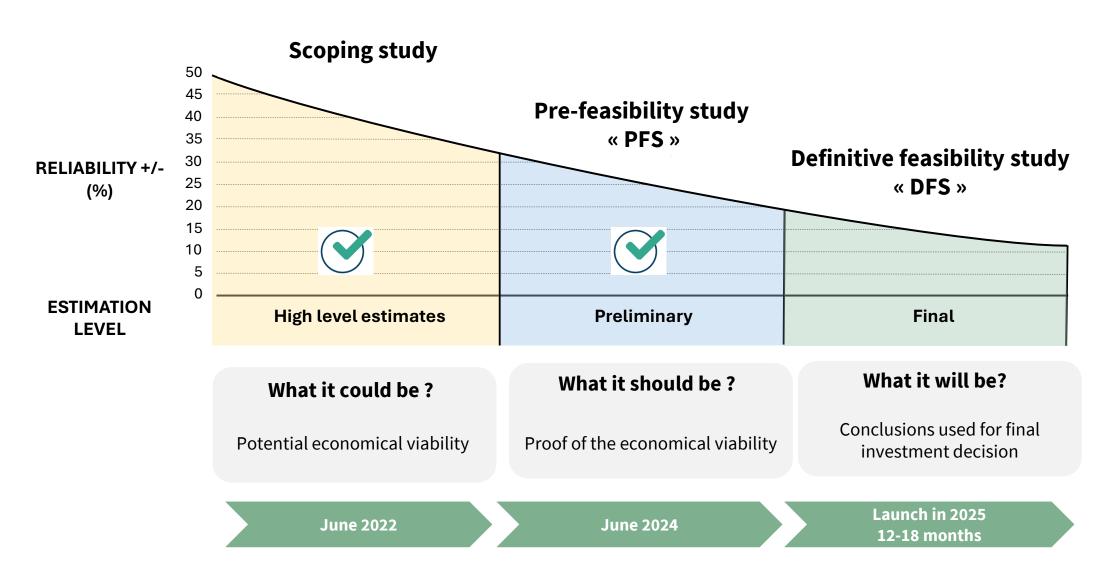


Source: Lithium forecast report, Q2 2024, Benchmark Mineral Intelligence

- Cyclical imbalance between lithium supply and demand supporting a temporary negative impact on prices
- Starting 2028/2029, anticipation of a supply and demand re-balance that should support a positive lithium price inflexion
- Forward prices that validate the project viability respecting the anticipated schedule

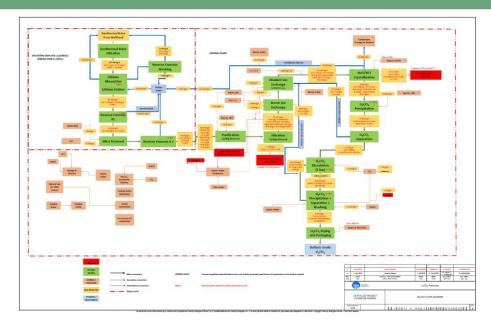


Validation of a key milestone: the PFS



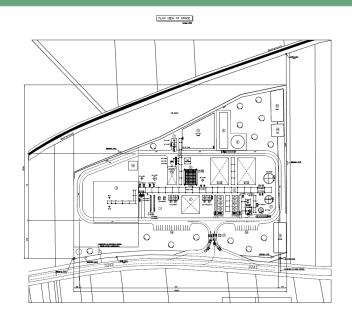
PFS achievements

PHASE 1: technical-economic arbitrations



- Operational conditions (pressure, temperature...)
- Concentration level
- Purification
- Upstream process and final product
- Phasing (number and size of refinery units)

PHASE 2: engineering of the selected processes



- Material and energy balance
- Sizing of the main equipments
- Main facility designs
- Estimated CAPEX (class 4)
- Estimated OPEX

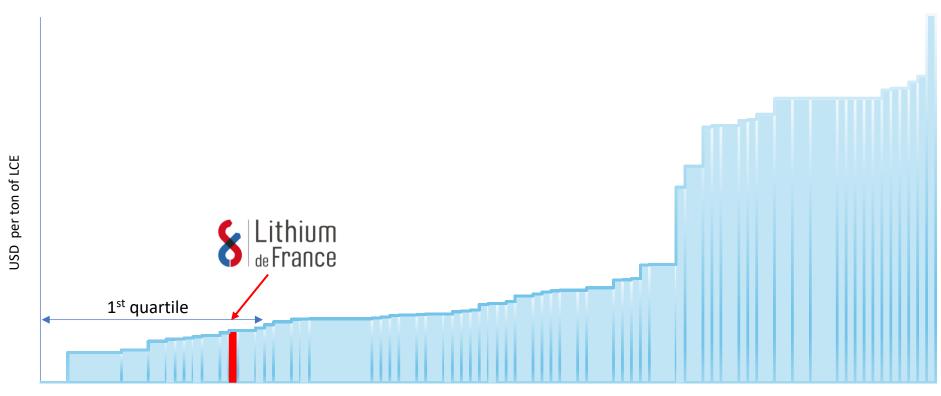
PFS results, confirmation of the technical and economic-viability

	Assumptions prior PFS	Assumptions after PFS
Choice of the final product	Lithium carbonate or lithium hydroxide	Lithium carbonate
Production	■ 30 kt/year of lithium hydroxide (*)	■ 27 kt/year of lithium carbonate
Process efficiency	Recovery rate between 80% and 85%	Recovery rate 91%
Technological choice	Adsorption, ion exchange or solvent extraction	Adsorption
Planning	■ 2026 : heat production	■ 2027 : heat production
J	■ 2027 : lithium production	2028 : lithium production
CAPEX	■ € 1,800 million (without contingency)	■ Between €1,800 million and € 1,900 million (including 15% contingency) depending on the refinery phasing
ОРЕХ	■ €5,000/t LHM	< €4,500/t LC

(*) 30 kt lithium hydroxide ~ 26,3 kt lithium carbonate

Production"cash costs" positioned in the first quartile

C1 cost curve* en 2030



Anticipated production by project, ton LCE/year

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2024 Targets



€16m-€18m

Gross business volume Up 35 % - 50 %



€50m

2024 investment program



PFS(1)

Updating of the technical and financial assumptions for geothermal lithium production



1

New filing of a drilling permit application

 New secured contracts to support the growth acceleration



- €9 million deployed over H1
- €40 million planned for H2 including mainly the acquisition of a new rig (€22 million) and the execution of exploration campaigns (€10 million)
- Results that led to technological choices and financial data updating
- Key milestone that derisks the project

- Filing of a new application before year end
- Completion of two applications to be filed on H1 2025



Growth path updated following the results of the pre-feasibility study

2026 2028 2031

1st heat production

1st geothermal lithium production



€500 million : gross capex before subsidies

1,8 TWh: annual heat production



Between €1,800 million and €1,900 million: gross capex before subsidies

27kt : annual production of carbonate lithium

2,2TWh: annual heat production





Consolidated revenues: €180 million - €220 million Current EBITDA margin ~ 40% (*)

Consolidated revenues: €900 million – €1,000 million

Current EBITDA margin ~70%

Growth path that could be adjusted depending on the Definitive Feasibility Study (DFS) results





- A market driven by energy needs and decarbonisation challenges the electrification of the automotive sector and the sovereign energy transition
 - An experienced management team, reference shareholders and a board of directors with complementary profiles
 - 3 Strategic partnerships with major international players
 - An integrated business model with a presence across the entire value chain, from subsurface analysis, to drilling and resource sales
 - An extensive portfolio of Exclusive Research Licenses and sub-surface imaging data
 - Major validated advances for heat and lithium production



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Consolidated income statement

In thousands of euros	06/30/2024	06/30/2023
Revenues	4,485	5,580
Other operating income	177	171
Capitalised production	3,396	940
Purchases consumed	(717)	(311)
External expenses	(6,313)	(3,990)
Personnel expenses	(9,388)	(4,850)
Taxes and duties	(171)	(114)
Other operating expenses	(328)	(573)
Current operating income before depreciation and	(8,859)	(3,147)
amortisation	(8,833)	(3,147)
Depreciation and amortisation	(948)	(905)
Current operating income	(9,807)	(4,052)
Other non-current operating income	-	13,435-
Other non-recurring operating expenses	-	(835)
Operating income	(9,807)	8,550
Income from cash and cash equivalents	2,587	-
Cost of gross financial debt	(220)	(490)
Cost of net financial debt	2,367	(490)
Other financial income	273	1,780
Other financial expenses	(32)	-18
	(2,125)	-
Income before tax	(9,325)	(9,780)
Income tax	(224)	(520)
Total net income	(9,549)	9,261
Share of non-controlling interests	(1,122)	(1,113)
Net income Group share	(8,427)	10,374
Earnings per share (in €)	(0.21)	0.68
Diluted earnings per share (in €)	(0.21)	0.64

In thousand of euros	06/30/2024	12/31/2023
Intangible assets	41,934	39,192
Tangible assets	26,558	19,445
Other non current financial assets	-	-
Deferred tax assets	3,166	3,448
Total non-current assets	71,658	62,085
Inventories	1,192	413
Other receivables	3,408	2,710
Other current assets	9,152	13,661
Cash and cash equivalents	136,800	143,229
Total current assets	150,551	160,012
Total assets	222,209	222,097

Balance sheet liabilities

In thousands of euros	06/30/2024	12/31/2023
Capital and share premium	194,302	194,302
Other reserves	22,646	21,621
Accumulated results	(60,257)	(51,831)
Shareholder's equity - Group share	156,690	164,092
Non controlling interests	13,710	14,346
Total shareholder's equity	170,400	178,438
Non current borrowings and financial debt	17,601	10,322
Other provisions	1,214	1,214
Deferred taxliabilities	5,697	5,465
Other non current liabilities	3,280	3,437
Total passifs non courants	27,792	20,438
Current borrowings and financial debt	8,741	9,117
Other provisions	929	992
Trade payables	4,171	3,746
Other current liabilities	10,176	9,366
Total current liabilities	24,017	23,221
Total liabilities	222,209	222,097

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In thousands of euros	06/30/2024	06/30/2023
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Change in inventories	(71)	
Change in trade and other receivables	(642)	(950)
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Stock market data

Stock description

ISIN	FR001400JWR8
Reuters	ARVEN.PA
Bloomberg	ARVEN:FP

ARVEN
LISTED
EURONEXT

Place Euronext Professional Compartment

Number of shares 39 833 777 (*)

Price 5,38 € (as of/09/24/2024)
Capitalization 185,2 M€ (as of/09/24/2024)



Analysts: CIC Market Solutions (buy – TP : 15€)

Oddo BHF (surperformance – TP: 9€) Kepler Cheuvreux (buy – TP: 8,10€)

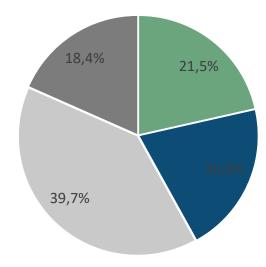
A G E N D • 03/26/2025 : 2024 annual resulats

• 04/30/2025 : Publication of the universal registration document

• 06/25/2025 : General assembly

• 09/24/2025: H1 2025 results

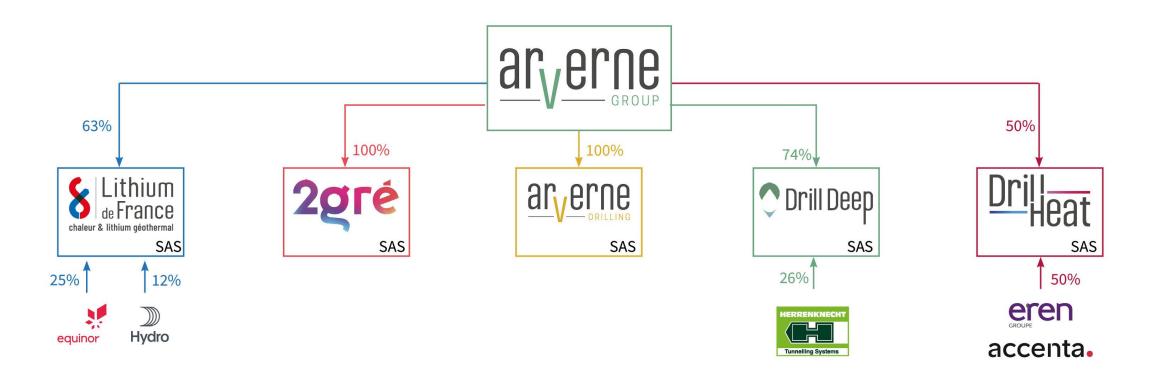
Shareholder structure - September 2024



- Arosco (founder and CEO)
- Historical shareholders of Arverne
- Strategic shareholders (incl. Ademe Investissements, Renault, sponsors)
- Free float

^{*}includes 5 047 776 preferred shares not yet in circulation and conditionned to specific triggers to become tradable

Simplified organisation chart



An experienced management team



Pierre Brossollet Founder and Chairman & CEO of Arverne Group 20 years of expertise in energy in France and abroad



Sébastien Renaud Deputy CEO of Arverne Group 25 years of expertise in energy and finance



Frédérique Barthélemy Impact & Engagement Director of Arverne Group 20 years of expertise in communications, investor and



Emeline Othax CFO of Arverne Group 15 years of expertise in management control and financial management





BNP PARIBAS









Frédérique Dosseur Head of Legal of Arverne Group 25 years of expertise - lawyer then Legal and Ethics Director



MAUREL

PROM





Marianne Daryabegui Head of Mergers and Acquisitions of Arverne Group More than 25 years of expertise in energy



and finance







Damien Bévillon Exploration and production Director of Arverne Group 20 years of expertise in oil & gas

exploration, research & development, geological modeling studies of reservoirs



Guillaume Tarnaud Planification and Risks Control Director of Arverne Group

22 years of expertise in the drilling industry







Guillaume Borrel General Manager of Lithium de France 25 years of expertise with Schlumberger (Egypt, Nigeria,

United States, etc



Loic Haslin General Manager of **Arverne Drilling Services** 23 years of expertise with Schlumberger in France and abroad



Patrice Landolt General Manager of DrillHeat 22 years of expertise in the drilling industry



Martin Jahan de Lestang General Manager of 2gré

15 years in the energy sector in operational and managerial positions



Protecting the environment

- First measurement of the group's CO2 emissions (scopes 1, 2 and 3) by the end of 2024, following the implementation of a calculation methodology
- First measurement of CO2 emissions avoided through our projects (scope 4) by the end of 2024 following the implementation of a calculation methodology
- By the end of 2024, definition of a trajectory to limit greenhouse gas emissions on scopes 1 and 2
- At least two innovation actions within the scope of the group to minimize our environmental impact
- At least six advocacy actions in total at Group level to promote the benefits of geothermal energy or geothermal lithium











Acting as a responsible employer

- Deployment of the necessary measures to ensure the health and safety of employees with an ambition of zero accidents. Objective in 2024 to have a frequency rate (TF 1) less than or equal to 11
- At least one action per entity per year aimed at improving the quality of the employee experience





Acting as a responsible employer (continued)

- By the end of 2024, definition of a training plan and achievement of an average number training hours in the Group at least equal to 110% of the 2023 average



- Ensure the training of 100% of employees in the code of conduct
- By the end of 2024, implementation of actions to promote gender diversity in the Arverne Group's professions in order to encourage female candidates in the drilling jobs



- Definition of professional equality indicators at Group level in order to identify areas for improvement
- By the end of 2024, develop a structure and conditions, at group level, encouraging employees who wish to do so to commit to projects working for a more sustainable and united society in the territories

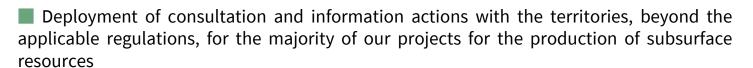


5 ÉGALITÉ ENTRE LES SEXES

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Contributing to the development of territories

Support provided to at least 1 associative event in each main region where the group operates



















A mission-driven company since 2022

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