

19. March 2023

Europa | Hungary | Energy

DR. KALLIWODA
RESEARCH GmbH

Comprehensive Update

BUY

Target-Price: 4180 HUF

Industry: Renewable Energies
Country: Hungary
ISIN: HU0000155726
Website: <https://alteo.hu/>

Last price: 2820
High Low
Price 52 W.: 3380.00 2150.00
Market cap. (HUF '000) 56,206,757
Number of shares (thousands) 19,931

Shareholders after Selling Transaction

MOL RES Investments	24.60%
Fönix Private Equity Fund	24.60%
Riverland Private Equity Fund	24.60%
ALTEO Employee Stock (ESOP)	5.80%
Freefloat	20.40%
Total	100.00%

Performance

4 weeks	-6.31%
12 weeks	-14.55%
52 weeks	31.16%
5 years	351.20%

Dividend

	in HUF	in %
2017	16.00	2.26%
2018	16.00	2.50%
2019	0.00	0.00%
2020	24.00	2.58%
2021	103.00	4.72%
2022	130e	4.06%

Chart: 12 Months



DR. KALLIWODA RESEARCH on
Bloomberg Page: KALL

Analyst: Dr. Norbert Kalliwoda

Email: nk@kalliwoda.com

Phone: +49 69 97 20 58 53

www.kalliwoda.com

ALTEO Nyrt.

Outstanding results in 2022; ALTEO-change of ownership

- ALTEO has managed to keep steering on the course to profitability with strong growth demonstrated in Revenue (133%), Net Profit (120%) and EBITDA (57%).
- MOL RES Investments and two equity funds conducted a successful mandatory public takeover bid of ALTEO Plc.'s shares, increasing their influence in the company from 9.993% to 73.812%. The bid concluded on March 13, 2023.
- Inflation has a mixed effect on ALTEO's performance. It increases revenue but also raises operational costs. The net effect is close to zero and can be managed through strict cost control. ALTEO's renewable capacity will decrease to 19 MW by 2026, but it will benefit from a mandatory take-up system for 25 years after commissioning.
- ALTEO has recently completed two acquisitions: the first being the acquisition of 100% of EDELYN SOLAR Ltd., which owns a 20 MW solar power plant project that is still under licensing and is expected to begin construction in the first half of 2023. The second is the acquisition of 75.1% of the shares of FE-GROUP INVEST Zrt., a company that specializes in the treatment and recycling of inorganic waste.
- ALTEO's model shows significant cash generation due to falling energy prices and profits and no change in investment plans. The company is expected to commission 1 battery and 2 solar power plants per year from 2024 and the reduced debt ratio points to further growth potential with more investments.
- In our comprehensive update, we stick to our fair value to HUF 4180 per share based on our Discount Cashflow Model. Our Rating is still BUY.

Figures

in '000 HUF	2021	2022e	2023e	2024e	2025e	2026e
Net sales	44,249,448	103,027,000	104,037,901	110,601,785	120,002,937	134,418,664
EBITDA	12,879,988	20,222,000	20,256,458	18,423,545	18,401,493	19,800,043
EBIT	8,943,319	16,695,000	16,684,270	14,393,688	13,855,331	14,671,427
Net income	5,857,450	12,894,270	12,396,591	9,556,671	8,398,596	8,515,575
EPS	293,879.42	646,930.08	621,960.55	479,476.38	421,373.53	427,242.59
BVPS	953,733.68	1,339,558.93	1,406,737.56	1,477,074.44	1,550,928.16	1,628,474.57

RoE	30.81%	48.29%	44.21%	32.46%	27.17%	26.24%
EBIT margin	0.92%	0.58%	0.58%	0.54%	0.50%	0.45%
P/E	0.01	0.01	0.01	0.01	0.01	0.01
P/BVPS	0.00x	0.00x	0.00x	0.00x	0.00x	0.00x
EV/EBITDA	8.82x	6.71x	6.85x	7.70x	7.89x	7.51x

Table of Contents

1	2022 Preliminary results	3
2	Public Offer: MOL RES Investments Zrt. concludes mandatory public takeover bid for ALTEO Plc.	6
3	Equity Story.....	6
4	SWOT-Analysis.....	8
5	Risk and Opportunities / Markets.....	9
6	Shareholder Structure	10
7	Valuation.....	11
8	Profit and Loss Statement.....	12
9	Balance Sheet.....	13
10	Contacts	14
	Material Information, Disclosures and Disclaimers	16

1 2022 Preliminary results

ALTEO has once again achieved remarkable results in 2022, confirming the success of its strategy and its implementation, which places a strong emphasis on environmental and social sustainability in addition to business aspects. Despite the challenges faced by the energy market due to the ongoing war and a significant price increase towards the end of 2021, ALTEO's performance has remained resilient and has even further strengthened the company's foundation. ALTEO's diversified portfolio, market size, and responsive team of professionals have allowed the company to leverage market opportunities and increase its profitability. As a result, ALTEO's current performance is significantly above the upper end of the median EBITDA range presented at the beginning of 2022.

For the year 2022, ALTEO's consolidated EBITDA reached 20.2 billion HUF, which represents a 57% increase compared to the same period last year. The positive performance of the Regulatory Centre, which manages Heat and Power generation, has been a key factor in driving this growth. The Retail segment also contributed significantly to this positive result, as well as the solid performance of ALTEO's renewable power plants. However, consolidated EBITDA was reduced by HUF 2 billion in the second half of the year due to the extra profit tax on the Regulatory Energy business.

ALTEO's consolidated net income for 2022 was HUF 12.9 billion, representing a 120% increase compared to the same period last year, after net profits from ALTEO's history. While the Waste Management and E-Mobilisation businesses have experienced a slight slowdown due to the ongoing epidemic, ALTEO will continue its active investment activities as part of its long-term strategy.

In line with this, ALTEO has recently completed the acquisition of 100% of EDELYN SOLAR Ltd., which owns a 20 MW solar power plant project that is still under licensing. The project has a valid grid connection permit and is expected to obtain the necessary permits to begin construction in the first half of 2023. Additionally, ALTEO has closed a transaction for the acquisition of 75.1% of the shares of FE-GROUP INVEST Zrt., a company that specializes in the treatment and recycling of inorganic waste. This acquisition will be consolidated in ALTEO's accounts from October 1, 2022. Furthermore, ALTEO is continuously working on the development of its Regulatory Centre, including the improvement of its IT capabilities.

In the fourth quarter of 2022, ALTEO recorded an additional expense of HUF 2 billion due to the introduction of an extra profit tax, resulting in a corresponding decrease in consolidated EBITDA. The tax is applicable only in 2022 and 2023 and will be reduced from 13% to 10% in the latter year.

ALTEO secured a parent company loan of HUF 6 billion from Wallis Asset Management, with the loan set to mature on April 15, 2023. ALTEO received a statutory public takeover bid from MOL RES Investments Zrt. for the purchase of the company's ordinary shares.

Overall, ALTEO's outstanding financial results for 2022 attest to the effectiveness of its business strategy, which emphasizes sustainability and the expansion of renewable energy production. ALTEO's resilience in the face of challenging market conditions is a testament to the company's strong foundation, diversified portfolio, and exceptional team of professionals.

Heat and electricity production (non-renewable) and trade

<i>data in HUF million</i>	12.31.2022 non-audited	12.31.2021 audited	Change HUF million over previous year	Change % over previous year
Revenue	80 897	24 285	56 613	233%
Capitalized own production	141	85	57	67%
Material expenses	(56 631)	(12 802)	(43 829)	342%
Personnel expenses	(1 436)	(880)	(556)	63%
Other revenues and Other expenses	(6 447)	(1 646)	(4 801)	292%
EBITDA*	16 525	9 042	7 483	83%
Allocated administrative expenses	(796)	(474)	(322)	68%
EBITDA II*	15 729	8 568	7 161	84%

The segment's revenue has significantly increased by 233% (HUF 56.6 bn) due to a combination of factors. One factor is the significantly higher electricity market prices compared to the previous year. Another factor is a higher overall spark spread, which is the specific margin available from gas-fired electricity generation. The segment has also seen significant increases in capacity and operation revenue, as well as revenue generated by the increasing production management sub-segment, which was launched at the end of 2020. As a result of these factors, EBITDA II has increased by 7.1 Bn (+84%).

Electricity production (renewable)

<i>data in HUF million</i>	12.31.2022 non-audited	12.31.2021 audited	Change HUF million over previous year	Change % over previous year
Revenue	5 163	5 007	156	3%
Capitalized own production	-	-	-	n.a.
Material expenses	(967)	(664)	(303)	46%
Personnel expenses	(219)	(188)	(31)	17%
Other revenues and Other expenses	(243)	(38)	(205)	538%
EBITDA*	3 734	4 117	(383)	(9%)
Allocated administrative expenses	(205)	(93)	(112)	121%
EBITDA II*	3 529	4 024	-495	-12%

The revenue for the Renewable Electricity Production segment increased by 3% (HUF 156 million), but EBITDA II decreased by 12% (HUF 495 million) due to higher scheduling costs and overcompensation charges. The results of the solar power plants, which are still in the subsidised system, were generally in line with the previous year. Some of the power plants in the portfolio are no longer eligible for the

subsidised scheme, but the transition was completed smoothly, and production continues to contribute to the segment's results. ALTEO's portfolio of renewable energy power plants is expected to be complemented by a further 20 MW of solar capacity through the acquisition of EDELYN SOLAR Kft.

Energy services				
<i>data in HUF million</i>	12.31.2022	12.31.2021	Change HUF million	Change %
	non-audited	audited	over previous year	over previous year
Revenue	5 088	3 305	1 782	54%
Capitalized own production	218	135	82	61%
Material expenses	(2 675)	(1 379)	(1 296)	94%
Personnel expenses	(2 116)	(1 413)	(703)	50%
Other revenues and Other expenses	(93)	48	(141)	(295%)
EBITDA*	421	696	(275)	(40%)
Allocated administrative expenses	(869)	(731)	(138)	19%
EBITDA II*	(448)	(35)	(413)	1 181%

The segment achieved a 54% increase in revenue compared to the previous year, reaching HUF 5.088 billion. The segment's EBITDA I decreased to HUF 421 million, while EBITDA II showed a significant decrease of HUF 413 million compared to the previous year, largely due to higher allocated administrative costs related to the start-up and ramp-up of recently launched businesses, such as E-mobility and Waste Management.

Retail energy trade				
<i>data in HUF million</i>	12.31.2022	12.31.2021	Change HUF million	Change %
	non-audited	audited	over previous year	over previous year
Revenue	24 939	16 370	8 569	52%
Capitalized own production	-	-	-	n.a.
Material expenses	(22 202)	(14 690)	(7 512)	51%
Personnel expenses	(167)	(114)	(53)	47%
Other revenues and Other expenses	33	(154)	187	(121%)
EBITDA*	2 603	1 412	1 191	84%
Allocated administrative expenses	(142)	(133)	(9)	6%
EBITDA II*	2 461	1 278	1 182	92%

The Energy Retail division saw a notable surge in revenue by 52% from the previous year, reaching a HUF 24.939 million mark, with an EBITDA II of HUF 2.461 million, signifying a remarkable 92% growth. The rise in dynamic expenses in this unit resulted mainly from a considerable hike in energy prices, which were partially offset by not renewing contracts with less profitable and more precarious customers and streamlining the portfolio.

Other segments

<i>data in HUF million</i>	12.31.2022 non-audited	12.31.2021 audited	Change HUF million over previous year	Change % over previous year
Revenue	0	5	(5)	(93%)
Capitalized own production	-	-	-	n.a.
Material expenses	(323)	(261)	(62)	24%
Personnel expenses	(717)	(699)	(18)	3%
Other revenues and Other expenses	(8)	(1)	(8)	1 350%
EBITDA*	(1 048)	(955)	(93)	10%

The Other Segment did not generate any revenue during the reporting period and recorded a negative EBITDA of HUF 1.048 million, which is a 10% increase from the previous year. This segment consists of costs associated with strategic growth and maintaining a presence in the stock market, but not specific to any of the group's segments. These costs are not included in the allocated administrative expenses.

2 Public Offer: MOL RES Investments Zrt. concludes mandatory public takeover bid for ALTEO Plc.

The mandatory public takeover bid of ALTEO Plc.'s shares by MOL RES Investments Zrt., a company wholly owned and controlled by MOL, has concluded as of March 13, 2023. MOL, along with Fónix Private Equity Fund and Riverland Private Equity Fund, appointed MOL as the designated offeror to conduct the mandatory public takeover bid. During the bid process, shareholders offered a total of 2,438,442 common shares of ALTEO Plc., equivalent to 12.237% of voting rights in the company. On March 13, 2023, the Bidder received the final merger control approval from the relevant competition authorities, and the sale and purchase agreements were concluded on the same day. The Offeror is obligated to pay the consideration for the shares within the mandatory public takeover bid deadline. Following the successful mandatory public takeover bid, the Offeror will acquire 4,902,536 shares, while Fónix Private Equity Fund and Riverland Private Equity Fund will each acquire 4,902,535 shares. This will increase the influence of the Contracting Parties in ALTEO Plc. from 9.993% to 73.812%. The direct influence of the Offeror, Fónix Private Equity Fund, and Riverland Private Equity Fund will increase from 3.331% to 24.604%.

3 Equity Story

ALTEO is a safe, efficient and sustainable energy producer, oriented towards mainly commercial customers. With a market capitalization of HUF 57.8 bn, ALTEO has expanded largely through mergers and acquisitions, which is a faster corporate growth, see an EBITDA increase of 57% from 2021 to 2022. The strategy is now changing to increase the expansion of capital expenditures. Ventures such as Waste Management and E-Mobility, for which separate companies were founded, complement the

ESG character of ALTEO. The Group is the first, energy company in Hungary to implement an independent ESG rating from Sustainalytics¹.

3.1 ESG-Rating

ALTEO Energiaszolgáltató Nyrt. is the first company in the Hungarian energy sector that obtained an international ESG certificate. ALTEO was rated with a lower ESG risk than the industry average receiving an ESG rating of 30.8 pts. on a 0-50 risk scale (Sustainalytics). ALTEO thereby is the first Hungarian energy company achieving a lower risk level than the global average in the energy producing and trading sector. Even though the analysis puts ALTEO at a high risk, the rating also considers that the company has a comprehensive risk response as well as a strong risk management. It has introduced robust ESG programs, practices and policies in order to effectively control and mitigate existing risks. All ESG themes received a low, medium or negligible risk rating with the exception of carbon emissions arising from ALTEO's natural gas power plants. "Last year we announced our intention to continue as a certified company under the ESG approach as soon as possible. As a listed company, transparency is a fundamental principle for us, and as a new generation energy provider, we want to set an example to all energy market players. We are proud to be the first company in Hungary in the energy sector, not including oil and gas industry, to obtain ESG certification (moreover, by the deadline we have set for ourselves), and we are hoping that this will gradually become a market expectation in the Hungarian large corporate sector as well. " – Attila Chikán Jr. (ALTEO CEO).

"Since our establishment in 2008, sustainability has accompanied us in all our business decisions, and the ESG certification provides us with the reference points that form the basis of a comprehensive ESG strategy covering all areas of sustainability,"

- Anita Simon, (ALTEO Deputy CEO for Sustainability and Circular Economy).

According to her, the analysis covers all sector-specific risks and clarifies what measures can be taken to mitigate these risks.

3.2 Business Model

ALTEO can be classified as a sustainable company. This offers significant market potential, as ALTEO is able to penetrate markets that contribute to the value of the company and thus to the value of the shareholder, as well as being supported by subsidiaries.

¹ <https://www.sustainalytics.com/esg-rating/alteo-energiaszolgltat-nyrt/2003159536>

According to ALTEO, in addition to extensive expertise in the use of alternative and renewable energy sources, it uses highly efficient natural gas fueled cogeneration systems. The cogeneration plants help to balance the volatile production of renewables.

ALTEO provides support to business partners by being able to design efficient energy management to enable the minimisation of energy costs as well as cutting environmental impact. This ensures the optimal use of renewable energy.

- **The self-declared goal of the ALTEO Group is to become a pace-setting energy service provider, providing sustainable energy for its customers. The ambition to secure optimal returns for shareholders is to be achieved through energy trading, decentralised energy generation and efficient energy management. ALTEO's business model is based on the belief in ecologically sustainable management, which is reflected in the expansion and use of renewable energy sources. This core competence is integrated into the product range in such a way that it has an impact on business partners and investors.**

4 SWOT-Analysis

Strengths

- **Team:** ALTEO Nyrt. employs a qualified workforce, coupled with a highly competent management with a lot of experience in the relevant industries. The good prospects of the market will contribute to a stronger entrepreneurship.
- **Investment in (technology):** Projects as the Virtual Power Plant ("VPP"), leads to growth improvements, through innovative technologies. The competitiveness increases strongly.
- **Pricing & Know-How:** Compared to conventional energy prices, ALTEO's products and solutions are competitive. The Green Premium is striving towards zero. In the medium term, this should attract even more commercial customers as more and more attention is paid to sustainability.
- **Reputation:** ALTEO stands for sustainable and reliable energy supplier. This reputation, of a reliable partner, coupled with sustainability, strengthens the company's market position
- **Business Model:** Through appropriate contracts with its commercial customers, ALTEO generates recurring revenue that is more predictable and not subject to complicated contracts, and the threat of penalties, as is the case with energy buyers.

Weaknesses

- **Climate dependence:** Although ALTEO invests in balancing energies, they are still dependent on climate change. From this uncertainty, of the climate change, ALTEO is under possible endangerment.
- **High investment plans:** Burdens the balance sheet for the coming years. Cash flow generation is required. (Relative CAPEX intensive)
- **Economic condition:** ALTEO's only market is Hungary, thus depends on the economy of Hungary. None strive, as of now, to diversify.

Chances, Opportunities

Risks

- **Innovative own technology (“VPP” & ARTEMIS programm):** Technology for control and planning of power plants, which is currently being developed. It enables ALTEO to achieve a higher market share in service (O&M) segment. Furthermore, ALTEO's applications, leads to increased in efficiency at other companies, as well as in its own facilities.
- **Clean Energy for all Europeans (CEP):** SEMC² can be integrated into the EU inland energy trade in order to keep sustainable electricity broadly available for the EU market. -> New markets
- **Innovative technology (market progression):** New knowledge in sustainable power production, could be a great growth driver.
- **Growing markets:** The markets are becoming more sustainable, which means that the demand for sustainability is increasing. In the same course, the demand for balancing energy is also growing.

- **Competition (Prosumers):** High growth rates of home solar installations. Customers are becoming self-sufficient. They use similar functionalities for this, but on a smaller scale.
- **Climate change:** The Risk of global warming, causes the elements change the attributes. Global warming, could also decrease heat demand, which concludes a decrease in demand -> Market loss.
- **Russian-Ukrainian war:** The conflict situation in Ukraine continue to threaten the markets in the surrounding countries in Eastern Europe including ALTEO's primary market, Hungary.
- **Inflation and rising energy costs:** Energy price volatility, coupled with inflation still threatens ALTEO's operations, while also increasing working capital financing needs.

5 Risk and Opportunities / Markets

5.1 Risk

One risk could be the introduction of special taxed, on the regulatory level, which would not be beneficial for the ALTEO Group. More tax on electricity would decrease the consumption or will lead to a more difficult production. This case is not likely to occur, other than changing operability of weather dependent power plants. The Risk of global warming, causes the elements change the attributes, such as water yield of rivers may drop, outages due to extreme weather. Result would be decreasing sales revenue, as well as increasing cost. Global warming, could also decrease heat demand, due to warmer weather consumers have to heat less, which concludes a decrease in demand -> Market loss.

5.2 Opportunities

Growing demand for balancing energy, is a huge opportunity for the ALTEO Group. With the increase in peak demand due to warmer summer weather and weather-dependent renewable generation, balancing power is becoming more important because it is independent. Thus, even if the weather conditions are not conducive to the weather-dependent plants, electricity is still available to the consumer. Resolving this problem, ALTEO's approach is to increase the installed capacity of ALTEO's Virtual Power Plant as well as developing a balancing energy sales strategy linked to scheduling. A

² Southern and Eastern Mediterranean Countries

change in consumer needs, a shift towards a sustainable consciousness, could be a huge opportunity for ALTEO due to increasing demand of green energy.

As a result of the price premium, sales revenue could be increased. Also related to change in consumer needs, is the opportunity of a growing market for energy efficiency investments. ALTEO handles this opportunity through market research. A growth factor could also be the changing demands due to electric mobility, which results in growing electricity demand. Regulation could even enhance the expansion of the asset inventory on ALTEO's hand. Therefore, ALTEO's has to develop products to serve this market as well as doing market research. ALTEO's goal is to minimize the costs and losses caused by climate change and its risks. In addition, ALTEO's guiding principle is to increase profitability by exploiting opportunities.

6 Shareholder Structure

Based on the public tender offer for the shares of ALTEO Plc. by MOL RES Investments Zrt. as designated bidder, the shareholder structure is as follows.

Name	nr. of shares	% of shares
MOL RES Investments	4 902 536	24,60%
Riverland Private Equity Fund	4 902 535	24,60%
F3nix Private Equity Fund	4 902 535	24,60%
ALTEO Employee Stock Ownership Program (ESOP)	1 158 263	5,81%
Free float	4 065 605	20,40%
Total	19 931 474	100,00%

7 Valuation

For the valuation of ALTEO Nyrt., we use a traditional DCF model, from which a 12-month price target for the share of HUF 4180 is derived. Compared to the current market level, this corresponds to an upside of around 48.2%

Discounted Cash Flow Model (2022), calculated on 17 March 2023

	2022(E)	2023E	2024E	2025e	2026e	2027e	2028e
in'000 HUF							
Net sales	103,027,000.00	104,037,900.92	110,601,785.39	120,002,937.14	134,418,664.38	148,032,748.01	163,025,682.37
(y-o-y change)	132.8%	1.0%	6.3%	8.5%	12.0%	10.1%	10.1%
EBIT	16,695,000.00	16,684,269.95	14,393,687.91	13,855,331.14	14,671,427.09	12,943,494.68	16,632,428.93
EBIT margin	16.2%	16.0%	13.0%	11.5%	10.9%	8.7%	10.2%
NOPLAT	13,831,000.00	13,453,334.27	10,748,804.75	9,743,465.55	10,032,749.29	7,710,509.47	10,728,993.66
+ Depreciation	3,527,000.00	3,572,187.92	4,029,856.64	4,546,161.87	5,128,616.13	5,785,694.43	6,526,957.60
= Net operating cash flow	17,358,000.00	17,025,522.20	14,778,661.39	14,289,627.43	15,161,365.42	13,496,203.91	17,255,951.26
- Total investments (Capex and WC)	- 10,795,898.03	- 5,939,750.06	- 6,375,702.17	- 6,860,659.71	- 7,400,679.31	- 8,002,584.01	- 8,674,060.99
Capital expenditure	- 4,446,148.35	- 5,015,788.88	- 5,405,542.93	- 5,841,992.51	- 6,331,078.75	- 6,879,503.41	- 7,494,826.36
Working capital	- 18,479,223.68	- 19,403,184.87	- 20,373,344.11	- 21,392,011.31	- 22,461,611.88	- 23,584,692.47	- 24,763,927.10
Change in Working Capital	- 6,349,749.68	- 923,961.18	- 970,159.24	- 1,018,667.21	- 1,069,600.57	- 1,123,080.59	- 1,179,234.62
= Free Cash Flow (FCF)	6,562,101.97	11,085,772.14	8,402,959.22	7,428,967.71	7,760,686.11	5,493,619.90	8,581,890.27
PV of FCFs	6,562,101.97	10,042,024.56	6,895,137.31	5,521,975.38	5,225,422.91	3,350,697.85	4,741,491.19
Terminal Value	68,946,625.64		88,288,125.70	78,054,601.74		57,720,309.20	90,168,116.67

PV of FCFs in explicit period	31,035,258.02
PV of terminal period	54,995,816.92
Implied Enterprise value (EV)	86,031,074.94
- Net debt	10,554,703.74
+ Investments / - Minorities	0.20
Shareholder value	75,476,371.40

4.00

Number of shares outstanding (thousands) **19,931.47**

WACC	10.39%
Equity costs	23.0%
Debt costs before tax	5.1%
Tax rate	9.0%
Debt costs after tax	4.6%
Equity ratio	31.3%
Debt ratio	68.7%
Fair value per share in HUF today	3,786.79
Fair value per share in HUF in 12 months	4,180.38

Source: Dr. Kalliwoda Research GmbH © 2023

WACC assumptions

Growth assumptions

Long-term growth rate **0.8%**

Assimilation phase (from 2022)

Sales growth at the beginning

Equity

Risk-free rate **7.60%**

Equity risk premium **8.11%**

Beta **1.90**

Equity costs 23.02%

Debt costs

Debt costs (before tax) **5.11%**

Tax rate on interest **9.00%**

Debt costs (after tax) 4.65%

Equity **31.286%**

Debt **69%**

Gearing

WACC 10.39%

Source: Dr. Kalliwoda Research GmbH © 2023

8 Profit and Loss Statement

Profit and Loss Statement - Alteo Nyrt.

all figures in '000 HUF unless otherwise indicated

	2019	2020	2021	2022E	2023E	2024E	2025E	2026e	2027e	2028e
Revenues	25,573,350	32,981,301	44,249,448	103,027,000	104,037,901	110,601,785	120,002,937	134,418,664	148,032,748	163,025,682
Marterial expenses	-18,284,265	-23,072,429	-25,624,444	-70,449,000	-70,528,475	-77,449,302	-85,293,460	-96,221,258	-108,549,125	-116,452,804
Personnel expenses	-3,078,261	-3,770,040	-4,192,237	-5,950,000	-6,026,231	-6,576,313	-7,110,844	-8,021,885	-9,049,649	-10,209,090
Depreciation and amortization	-2,045,752	-2,858,523	-3,936,669	-3,527,000	-3,572,188	-4,029,857	-4,546,162	-5,128,616	-5,785,694	-6,526,958
Other revenues, expenses, net	-804,281	-1,228,018	-1,795,605	-6,765,000	-7,631,732	-8,609,509	-9,712,560	-10,956,933	-12,360,735	-13,944,392
Capitalised own production	292,494	512,226	242,826	359,000	404,995	456,883	515,419	581,454	655,950	739,991
Operating profit or loss	1,653,285	2,564,517	8,943,319	16,695,000	16,684,270	14,393,688	13,855,331	14,671,427	12,943,495	16,632,429
Other revenues, expenses, net -2	31,801	0	0	0	0	0	0	0	0	0
Other revenues, expenses, net -1	48,342	89,051	0	0	0	0	0	0	0	0
EBIT	1,733,428	2,653,568	8,943,319	16,695,000	16,684,270	14,393,688	13,855,331	14,671,427	12,943,495	16,632,429
Finance income	271,602	479,576	384,928	427,270	482,012	543,767	613,435	692,028	780,691	880,713
Financial expenses	-1,215,422	-1,569,892	-2,255,979	-1,364,000	-1,538,756	-1,735,901	-1,958,305	-2,209,203	-2,492,246	-2,811,552
Net finance income	943,820	-1,090,316	-1,871,051	-936,730	-1,056,744	-1,192,134	-1,344,870	-1,517,175	-1,711,555	-1,930,840
Profit or loss before taxes (EBT)	709,465	1,474,201	7,072,268	15,758,270	15,627,526	13,201,554	12,510,461	13,154,252	11,231,940	14,701,589
Income tax expenditures	-435,834	-883,660	-1,214,818	-2,864,000	-3,230,936	-3,644,883	-4,111,866	-4,638,678	-5,232,985	-5,903,435
Net profit or loss	273,631	590,541	5,857,450	12,894,270	12,396,591	9,556,671	8,398,596	8,515,575	5,998,954	8,798,154
From which the owners of Par	270,717	586,663	5,855,184	12,948,000	14,606,898	16,478,334	18,589,538	20,971,229	23,658,063	26,689,134
Of which the minority interest	2,914	3,878	2,266	-55,000	-62,047	-69,996	-78,964	-89,081	-100,494	-113,369
Base value of earnings per share	15.02	31	310	657	741	836	943	1,064	1,200	1,354
Diluted value of earnings per sh:	14.41	30	302	656	741	835	942	1,063	1,199	1,353
EBITDA	3,779,180	5,512,091	12,879,988	20,222,000	20,256,458	18,423,545	18,401,493	19,800,043	18,729,189	23,159,387

Source: Dr. Kalliwoda Research GmbH © 2023

9 Balance Sheet

Balance Sheet - Alteo Nyrt.

all figures in '000 HUF unless otherwise indicated

	2019	2020	2021	2022E	2023e	2024e	2025e	2026e	2027e	2028e
ASSETS										
Fixed Assets	24,194,661	31,065,255	31,370,772	34,935,635	36,682,417	38,516,538	40,442,364	42,464,483	44,587,707	46,817,092
Property, plant and equipment	0	0	0	0	0	0	0	0	0	0
Power plants and power generating properties, p	17,711,707	25,435,923	25,738,088	28,924,992	30,371,242	31,889,804	33,484,294	35,158,509	36,916,434	38,762,256
Other property, plant and equipment (Technical	73,105	87,369	91,737	96,324	101,141	106,198	111,507	117,083	122,937	129,084
Intangible Assets	0	0	0	0	0	0	0	0	0	0
Other intangible assets (Capitalized start-up and	3,492,357	3,037,269	2,516,820	2,642,661	2,774,794	2,913,534	3,059,210	3,212,171	3,372,780	3,541,418
Operation contract assets	1,407,741	1,212,987	1,052,216	1,104,827	1,160,068	1,218,072	1,278,975	1,342,924	1,410,070	1,480,574
Right to use (Intellectual Property)	924,768	1,063,615	1,766,502	1,854,827	1,947,568	2,044,947	2,147,194	2,254,554	2,367,282	2,485,646
Long-term lease assets	104,376	0	0	0	0	0	0	0	0	0
Deferred tax assets	286,856	132,811	71,395	74,965	78,713	82,649	86,781	91,120	95,676	100,460
Other long-term loans (given)	193,651	95,181	225,651	236,934	248,780	261,219	274,280	287,994	302,394	317,514
Long-term participations in associate (In affili	100	100	100	105	110	116	122	128	134	141
Current Assets	13,379,846	13,819,105	29,389,976	68,439,647	71,861,629	75,454,711	79,227,446	83,188,819	87,348,259	91,715,672
Inventories	233,165	442,622	1,076,779	1,130,618	1,187,149	1,246,506	1,308,832	1,374,273	1,442,987	1,515,136
Trade receivables	2,919,836	3,263,224	4,425,345	24,200,000	25,410,000	26,680,500	28,014,525	29,415,251	30,886,014	32,430,315
Short-term lease assets	160,814	128,949	0	0	0	0	0	0	0	0
Emission allowances	342,100	843,488	2,395,525	2,515,301	2,641,066	2,773,120	2,911,776	3,057,364	3,210,233	3,370,744
Other financial assets	360,987	1,795,982	8,627,136	14,483,493	15,207,667	15,968,051	16,766,453	17,604,776	18,485,015	19,409,266
Other Receivables and accruals	4,396,596	3,796,983	9,155,718	9,613,504	10,094,179	10,598,888	11,128,832	11,685,274	12,269,538	12,883,015
Income tax receivables	118,677	92,812	30,220	31,731	33,318	34,983	36,733	38,569	40,498	42,523
Cash and equivalents	4,847,671	3,455,045	3,679,253	16,465,000	17,288,250	18,152,663	19,060,296	20,013,310	21,013,976	22,064,675
Prepaid Expenses and Accrued Income	0	0	0	0	0	0	0	0	0	0
TOTAL ASSETS	37,574,507	44,884,360	60,760,748	103,375,282	108,544,046	113,971,248	119,669,811	125,653,301	131,935,966	138,532,765
	0	0	0	0	0	0	0	0	0	0
Shareholders' Equity	5,749,884	8,547,657	19,009,318	26,699,384	28,038,353	29,440,271	30,912,284	32,457,899	34,080,793	35,784,833
Issued Capital	232,948	232,972	242,235	254,347	267,064	280,417	294,438	309,160	324,618	340,849
Share premium	5,056,207	4,962,084	5,375,369	5,644,137	5,926,344	6,222,662	6,533,795	6,860,484	7,203,509	7,563,684
Transactions with owners	-192,534	0	0	0	0	0	0	0	0	0
Share-based payments reserve	68,398	62,819	-206,875	-217,219	-228,080	-239,484	-251,458	-264,031	-277,232	-291,094
Hedge reserve	-1,713,432	399,801	5,306,431	5,571,753	5,850,340	6,142,857	6,450,000	6,772,500	7,111,125	7,466,681
Conversion reserve	-1,059	0	0	0	0	0	0	0	0	0
Retained earnings	2,303,282	2,882,216	8,282,127	15,435,833	16,211,625	17,022,206	17,873,317	18,766,982	19,705,332	20,690,598
Non-controlling interest	-3,926	7,765	10,031	10,533	11,059	11,612	12,193	12,802	13,442	14,115
Provisions	0	0	0	0	0	0	0	1	2	3
Liabilities	31,824,623	36,336,703	41,751,430	76,675,898	80,509,693	84,535,177	88,761,936	93,200,033	97,860,034	102,753,036
Long Term Liabilities	21,758,606	27,905,833	24,490,928	26,715,474	28,051,248	29,453,811	30,926,501	32,472,826	34,096,467	35,801,291
Debts on the issue of bonds (Bond for Growth)	10,909,019	14,889,000	12,658,274	13,291,188	13,955,747	14,653,534	15,386,211	16,155,522	16,963,298	17,811,463
Long-term loans and borrowings (Long Term I	7,056,264	8,411,397	6,583,098	7,912,253	8,307,866	8,723,259	9,159,422	9,617,393	10,098,262	10,603,176
Financial lease liabilities (Other Long-Term Lt	917,122	1,047,406	1,687,704	1,772,089	1,860,694	1,953,728	2,051,415	2,153,985	2,261,685	2,374,769
Deferred tax liabilities (Financial Leases)	599,716	866,550	1,487,761	1,562,149	1,640,257	1,722,269	1,808,383	1,898,802	1,993,742	2,093,429
Provisions	568,680	850,493	944,136	991,343	1,040,910	1,092,955	1,147,603	1,204,983	1,265,233	1,328,494
Deferred income	535,674	436,864	593,865	623,558	654,736	687,473	721,847	757,939	795,836	835,628
Other long-term liabilities	1,172,131	1,404,123	536,090	562,895	591,039	620,591	651,621	684,202	718,412	754,332
Short Term Liabilities	10,066,017	8,430,870	17,260,502	49,960,423	52,458,444	55,081,367	57,835,435	60,727,207	63,763,567	66,951,745
short term loans			0	0	-4,000	-4,200	-4,410	-4,630	-4,862	-5,105
Short-term bond payables	2,215,114	0	2,312,138	2,566,473	2,895,290	3,266,234	3,684,704	4,156,788	4,689,356	5,290,157
Short-term loans and borrowings	463,165	929,693	419,778	465,954	525,652	592,998	668,973	754,682	851,372	960,449
Short-term finance lease liabilities	108,555	154,912	237,744	263,896	297,706	335,848	378,877	427,419	482,180	543,957
Advance payments received	497,963	46,500	8,989	9,978	11,256	12,698	14,325	16,161	18,231	20,567
Trade payable	1,963,934	2,308,413	4,546,498	25,046,613	28,255,585	31,875,690	35,959,604	40,566,748	45,764,160	51,627,464
Other financial liabilities	1,104,369	189,130	0	0	0	0	0	0	0	0
Other short term liabilities	3,654,710	4,522,992	9,328,196	21,155,564	23,866,014	26,923,728	30,373,196	34,264,610	38,654,592	43,607,018
Income tax liabilities	58,207	279,230	407,159	451,946	509,850	575,172	648,863	731,995	825,778	931,577
Passive Accruals	0	0	0	0	0	0	0	0	0	0
TOTAL LIABILITIES & EQUITY	37,574,507	44,884,360	60,760,748	103,375,282	108,544,046	113,971,248	119,669,811	125,653,301	131,935,966	138,532,765

Source: Dr. Kalliwoda Research GmbH © 2023

10 Contacts

Primary Research Fair Value Analysis International Roadshows		Dr. Kalliwoda Research GmbH, Steinstraße 24, D-64839 Münster, office Frankfurt Arndtstr. 47, 60325 Frankfurt
Head: Dr. Norbert Kalliwoda E-Mail: nk@kalliwoda.com	CEFA-Analyst; University of Frankfurt/Main; PhD in Economics; Dipl.-Kfm., Dipl.-Hdl.	<u>Sectors:</u> IT, Software, Electricals & Electronics, Mechanical Engineering, Logistics, Laser, Technology, Raw Materials
Lukas Ankelmann E-Mail: la@kalliwoda.com	Junior-Analyst; University Nuremberg	<u>Sectors:</u> Technology, New Media, Food & Beverage
Noah Barnekow E-Mail: nb@kalliwoda.com	Frankfurt School of Finance & Management	<u>Sectors:</u> Aviation, Automotive, Technology, Sustainability Approach
Alejandro Cuadros E-Mail: ac@kalliwoda.com	Junior-Analyst; University of Frankfurt/Main, Economics	<u>Sectors:</u> Technology, Video Games, Real Estate
Leander Groß E-Mail: lg@kalliwoda.com	Junior-Analyst (University Rotterdam)	<u>Sectors:</u> eSports, Gaming, Consumer, Retail, Fashion
Giuseppe Inserra E-Mail: gi@kalliwoda.com	Junior-Analyst (Università degli Studi di Catania, Economics)	<u>Sectors:</u> Gaming Entertainment, Fintech, Financial Markets, Commodities, Real Estate
Michael John E-Mail: mj@kalliwoda.com	Dipl.-Ing. (Aachen)	<u>Sectors:</u> Chemicals, Chemical Engineering, Basic Metals, Renewable Energies, Laser/Physics
Witold Konrad Kosinski E-Mail: wk@kalliwoda.com	Finance & Banking Warsaw School of Econ, Master of Science; postgrad. Managem. Studies, Prepar. CFA Lev.2	<u>Sectors:</u> Consumer Goods, Trading Companies, Food & Beverages, Technology
Sebastian Krawczyk E-Mail: sk@kalliwoda.com	Bachelor Management, Quant. Meth. in Economics & Inf. Systems at Warsaw School/Mannheim, CFA Can.	<u>Sectors:</u> Quantitative Methods, Automotive, Technology
Vittoria Lou D. Mawis E-Mail: vm@kalliwoda.com	Office Assistant & Research (University Barcelona),	<u>Sectors:</u> Real Estate
Dr. Heinz Müller E-Mail: hm@kalliwoda.com	Dr. agr, Dipl.-agr. (Agrarökonomie)	<u>Sectors:</u> Agrochemicals, Consumer Chemicals, Chemicals

Dr. Christoph Piechaczek E-Mail: cp@kalliwoda.com	Dipl.-Biologist; Technical University Darmstadt; Univ. Witten-Herdecke.	<u>Sectors:</u> Biotech & Healthcare; Medical Technology Pharmaceutical
Nele Rave E-Mail: nr@kalliwoda.com	Lawyer; Native Speaker, German School London,	Legal adviser
Hellmut Schaarschmidt; E-Mail: hs@kalliwoda.com	Dipl.-Geophysicists; University of Frankfurt/Main.	<u>Sectors:</u> Oil, Regenerative Energies, Specialities Chemicals, Utilities
Dr. Erik Schneider E-Mail: es@kalliwoda.com	Dipl.-Biologist; Technical University Darmstadt; Univ. Hamburg.	<u>Sectors:</u> Biotech & Healthcare; Medical Technology Pharmaceutical
Leonard Schüppler E-Mail: ls@kalliwoda.com	Junior-Analyst; WHU - Otto Beish. School of Management Vallendar	<u>Sectors:</u> Luxury Goods, Consumers, digital businesses.
Hans-Georg Sutter E-Mail: hsu@kalliwoda.com	Dipl.-Wirtschaftsingenieur University Kaiserslautern	<u>Sectors:</u> IT/e-commerce
Lukas Thiele E-Mail: lt@kalliwoda.com	Bachelor Business Administration, Universität Frankfurt	<u>Sector:</u> Automotive, Technology, IT, Oil, Regenerative Energies, Specialities Chemicals, Utilities
Also view Sales and Earnings Estimates: DR. KALLIWODA RESEARCH on Terminals of Bloomberg, Thomson Reuters, vwd group and Factset	Analyst of this research: Dr. Norbert Kalliwoda, CEFA	

Material Information, Disclosures and Disclaimers

A. Material information

Investment in financial instruments and securities (e.g. shares, bonds) is generally associated with high risks. It is possible that the investors lose some or all the invested money. Potential investors should be aware of the fact that prices of securities could fall and rise. The income from such an investment might be considerable fluctuations. Investment strategies are not always appropriate and past results are not a guarantee for the future performance. Investors should make their own and independent decisions as to whether a risky investment.

B. Disclosures according to Section 34b of the German Securities Trading Act (WpHG) and to the German Regulation governing the Analysis of Financial Instruments (FinAnV).

I. Information about author, company held accountable, regulatory authority:

Company responsible for the content of this document: DR. KALLIWODA RESEARCH GmbH, Frankfurt am Main, Germany.

Regulatory authority for DR. KALLIWODA RESEARCH GmbH is the Federal Financial Supervisory Authority (BaFin), Graurheindorfer Straße 108, 53117 Bonn, Germany and Lurgiallee 12, 60439 Frankfurt am Main, Germany.

Author of this research: Dr. Norbert Kalliwoda, Analyst, CEO and founder of DR. KALLIWODA RESEARCH GmbH.

II. Additional Information:

1. Sources of information:

Essential sources of information for the compilation of this document are publications from domestic and international information services and media (e.g. Bloomberg, dpa-AFX, Reuters, VWD, among others), financial press (e.g. *Allgemeine Zeitung Frankfurter*, *Börsenzeitung*, *Financial Times Handelsblatt* and others), specialized trade press, published statistics, rating agencies as well as publications by peer group companies and the company itself. Additionally, conservation has been held with the management of the company. This document was made available to the company before publishing to ensure the correctness of the information provided.

2. Summary of the basis of valuation principles and methods used to prepare this document:

Within the scope of the evaluation of companies the following valuation methods are applied: Multiple-based models (Price/Earnings, Price/Cash-flow, Price/Book value, EV/Sales, EV/EBIT, EV/EBITDA), peer group comparisons, historic valuation methods, discounting models, sum-of-the-parts-approaches, substance-valuation methods and swot-analyses. The valuation principles and models are dependent on macroeconomic factors, such as interest rates, exchange rates, raw materials and on basic assumptions about the economy. Besides, the market moods and market sentiment affect the valuation of enterprises. The approaches are based on expectations that could change rapidly and without advance warning according on developments specific to individual branch. The valuation results and fair values derived from the models might therefore change accordingly. The ratings are the evaluation results and refer to a fair value pricing reflecting a time-horizon of up general relate to a twelve-months. Nevertheless, evaluation results are subject to changing market conditions and constitute merely a snapshot. The evaluation results and fair values may be reached faster or slower than expected by the analysts. The results and fair values may to be scale upwards or downwards.

DR. KALLIWODA RESEARCH GmbH uses the following rating model:

BUY:	Based on our analysis, we expect the stock to appreciate and produce a total return of at least 10% over the next twelve months
ACCUMULATE:	Based on our analysis, we expect the stock to appreciate and produce a total return between 5% - 10% over the next twelve months
HOLD:	Based on our analysis, we expect the stock to produce a total return between -5% and +5% over the next twelve months
REDUCE:	Based on our analysis, we expect the stock to cause a negative return between -5% and -10% over the next twelve months
SELL:	Based on our analysis, we expect the stock to cause a negative return exceeding -10% over the next twelve months

For the sustainability ranking DR. KALLIWODA RESEARCH GmbH uses the 17 United Nations Sustainable Development Goals, where each goal is classified as follows:

-1	The company negatively contributes to the goal.
-----------	---

0	The company does not contribute to the goal at all.
1	The company positively contributes to the goal.
2	The company profoundly contributes to the goal.
3	The company significantly contributes to the goal.

From adding up the given numbers, it is being set in a ratio to the maximum points (e.g. 51). The following model shows the note procurement:

A	100% - 70%	The company exceptionally contributes to the goal.
B	70% - 50%	The company promotes the transition to sustainability.
C	50% - 30%	The company is on the way to sustainability.
D	30% - 10%	The company minimizes its negative impact.
E	10% - 0%	The company is not sustainable.

Date of first publication of this document: 19th March 2023.

4. Updates:

A specific update of this document has currently not been set. The research reflects the author's judgement on the date of this publication and is subject to change without any notice. The document might be incomplete or reduced and it may not contain all information concerning the company covered. It is in the sole decision of DR. KALLIWODA RESEARCH GmbH whether and when a potential update of this research is made.

III. Disclosures about potential conflicts of interest:

The business model of DR. KALLIWODA RESEARCH GmbH is based on economic relationships with issuer company and equity transactions to be performed relating to the issuer's stock. Dr. Kalliwoda Research has entered into an agreement about the creation of this document with the company which is, or whose financial instruments are the issue of this research.

Conflicts of interest may be in existence with employees of DR. KALLIWODA | RESEARCH GmbH who are the authors of this document as well as other persons that were involved in the preparation of this research or related parties.

Following conflicts of interest might exist:

DR. KALLIWODA RESEARCH GmbH employees or other persons that were involved in the preparation of this document or related parties are possibly holders of instruments that are mentioned in this research (or that are linked to these instruments) or might become holders and could regularly trade the issuer's securities or securities based on these issues as principal or agent.

DR. KALLIWODA RESEARCH GmbH employees or other persons that were involved in the preparation of this document or related parties could have participated in leading a consortium for the issuer via a public offering of the financial instruments that are the subject of this research.

DR. KALLIWODA RESEARCH GmbH employees or other persons that were involved in the preparation of this document or related parties might have been party to an agreement on the provision of investment banking services with the issuer which is the subject of this research, or have received services or a pledge to perform under the terms of such an arrangement during the same period.

DR. KALLIWODA RESEARCH GmbH employees or other persons that were involved in the preparation of this document or related parties may have other substantial economic interests concerning to the issuer which is the subject of this research.

DR. KALLIWODA RESEARCH GmbH employees or other persons that were involved in the preparation of this document or related parties might have been party to an agreement with the company, which is the subject of this research, resulting in receiving the compensation for preparation of this research.

DR. KALLIWODA RESEARCH GmbH employees or other persons that were involved in the preparation of this document or related parties received the feedback concerning the company profile and SWOT from the company, which is the subject of this research, before publishing this report to the public.

Important: Please get familiar with possible risks and possible conflicts of interest in the disclosure and disclaimer at the end of this report, especially for this report: 6. and 7.

The analysts have limited access to gain information that possibly could constitute a conflict of interest for the institution DR. KALLIWODA RESEARCH GmbH keeps insider registers appropriate to sec. 15

WpHG for assignees that normally have approach to inside information. Insiders' dealings appropriate to sec. 14 WpHG categorically are prohibited.

The analysts that composed this research did not receive or acquire shares in the emitter that is the subject of this document at any time. The analysts mentioned above hereby certify that all the views expressed accurately reflect the individual views about the emitter. No part of the indemnity was, is or will be, directly or indirectly, linked to the evaluation result or views expressed by the analyst in this research.

C. Disclaimer:

This document is published and being distributed by DR. KALLIWODA RESEARCH GmbH solely for informational purposes and for the personal use by persons in Germany. This research is not intended to be in any form an offer or advice to buy or sell the securities referred to herein. This research is intended to provide information to assist investors in making their own investment decisions. Any decision to purchase any securities of the emitter must be made solely on the basis of information contained in the offering documents from the emitter relating to such securities and not on the contents hereof. Furthermore, our recommendation may not be fully suitable to every investor, depending on their investment objective, individual financial situation or targeted holding period.

Potential investors should seek professional and individual information and advice before making their investment decisions. This document neither constitutes a contract or any kind of obligation.

Neither this document nor any copy, in whole or in part, thereof may be distributed in any other jurisdiction where its distribution might be restricted by law, and person into whose published this document comes should inform and observe themselves about any such restrictions.

The information within this document has been obtained from sources believed by DR. KALLIWODA RESEARCH GmbH to be reliable. DR. KALLIWODA RESEARCH GmbH does not examine the information to be verify and complete, nor warrants its correctness and completeness. Although due attention has been taken in compilation this document, it cannot be excluded that the information given is not complete or the document contains mistakes.

The liability of DR. KALLIWODA RESEARCH GmbH shall be restricted to gross negligence and willful misconduct. All aspects penned in this document are those of DR. KALLIWODA RESEARCH GmbH respectively the authors and subject to modify without notice. Possible faults or incompleteness of this document may be reformed by DR. KALLIWODA RESEARCH GmbH and do not constitute reasons for liability, neither regarding indirect nor to direct or consequential losses.

Moreover, DR. KALLIWODA RESEARCH GmbH does not accept any responsibility and liability for any damage arising from using of this research or its contents or otherwise arising in relation herewith. In each case, the liability and responsibility of DR. KALLIWODA RESEARCH GmbH is limited to typical, predictable damages and the liability for any direct or indirect losses is excluded.

This document is subject to the laws of the Federal Republic of Germany. Place of jurisdiction is Frankfurt am Main, Germany.

This document or any copy, in whole or in part thereof, may not be distributed in any other jurisdiction where its distribution might be restricted by law and persons who have access to this document must inform and observe themselves about any such restrictions.

In the United Kingdom this document is to be distributed only to persons who are described in Section 11 (3) of the Financial Services Act 1986 (Investment Advertisements) (Exemptions) Order 1996 (as amended). This research may not be distributed and forwarded directly or indirectly to any other group of individuals. The distribution of this document in other international jurisdictions may be restricted by law and individuals who possess this study should inform themselves of any existing restrictions and comply with them.

Neither this document nor any copy of it may be taken or transmitted into the United States of America, Canada, Japan or Australia or distributed, directly or indirectly, in the United States of America, Canada, Japan or Australia or to any resident thereof. Any Failure to comply with these restrictions may constitute a violation of United States, Canadian, Japanese or Australian securities laws or the law of any other jurisdiction.

By confirming this document, the reader or user agrees and accepts to be bound by all the foregoing provisions and this disclaimer. Besides, the user accepts not to distribute this document to unauthorized persons. The user of this document compensated DR. KALLIWODA RESEARCH GmbH for any disadvantages, damages, claims, and losses resulting from or in relation with the unauthorized use of this document.

© 2022 DR. KALLIWODA RESEARCH GmbH, Arndtstraße 47, D-60325 Frankfurt am Main. All rights reserved.