

CEE MACRO AND FI DAILY

CEE attracting EV battery sector

On the Radar

- PPI in Slovakia arrived at 13.6% y/y in July.
- Today, at 10.30 AM unemployment rate will be published in Slovenia.
- Tomorrow in the morning, 2Q23 GDP breakdown will be released in Czechia, and at 11 AM CET in Croatia.

Expected annual output of battery factories by 2030 (GWh)



Source: Erste Group Research

Economic developments

The introduction of (battery) electric vehicles (EVs) and the EU law mandating zero-emission new vehicle sales have brought a significant disruption in the automotive industry, shifting the way cars are produced. The value chain and cost breakdown of EVs are vastly different from those of traditional internal combustion cars, with the battery cell comprising almost 40% of the manufacturing costs on average. Thus, the EV battery sub-industry will play a pivotal role in the ongoing disruption of automotive manufacturing. CEE countries have recognized the importance of this sector and are making efforts to attract battery factories to their respective regions. Hungary is currently the leading country in this regard, with a projected annual battery output of approximately 250GWh by 2030, surpassing the collective output of the other countries in the region. Poland follows in second, not only expanding its presence in the battery manufacturing sector but also attracting new EV factories. On the other hand, Slovakia has yet to exhibit significant activity in attracting battery sub-industries, and the rationale for this decision can only be the subject of speculation. Concern over the impact of large water and land usage, as well as potential contamination from toxic materials used in the manufacturing process, are among the reasons cited by Greenpeace that may be contributing factors influencing this decision.

Erste Group Research CEE Macro Research 28 August 2023 Page 2/5

Market performance



Source: Erste Group Research

Analyst:

Katarzyna Rzentarzewska +43 5 0100 17356 katarzyna.rzentarzewska@erstegroup.com

Analyst:

Jakub Cery +43 (0)5 0100 17338 jakub.cery@erstegroup.com

Market developments

After the Jackson Hole meeting, the interest rate outlook remains uncertain. On the one hand, the need to keep interest rate high to fight inflation was underlined, on the other hand little insights was offered regarding the next major central banks' decisions. This week Hungarian central bank holds rate setting meeting and we expect normalization of rates to continue. As for the market development in the region, last week's weak PMIs in the Eurozone altered the market sentiment, resulting in a marginal weakening of the currencies throughout the week and downward move in the long end of the curve throughout the region. Currently, 10Y yields are lower than last week, except for Poland. Poland presented the draft of the budget for 2024 and the details published on Friday showed substantial increase in net financing needs next year that resulted in increase of long-term yields on that day. As for other news, Fitch confirmed the Czech rating at AA- keeping the outlook negative. This week, on Friday, September 1, after markets close, Moody's is scheduled to revise its Hungarian outlook. In this case we cannot rule out the outlook being changed to negative.





Erste Group Research CEE Macro Research 28 August 2023 Page 3/5

Upcoming releases in CEE

Date	Time	Country	Indicator	Period	Survey	Erste Est.	Prev.
28. Aug	09:00	SK	PPI (y/y)	Jul		12.00%	14.50%
29. Aug	09:00	CZ	GDP (q/q)	2Q P		0.1%	0.1%
	09:00	CZ	GDP (y/y)	2Q P		-0.6%	-0.6%
	10:30	SI	Retail Sales (y/y)	Jul		0.0%	-15.7%
	11:00	HR	GDP (y/y)	2Q		3.2%	0.03
	14:00	HU	Central Bank Rate	Aug 29		13.0%	13.0%

FX Market

EUR/CZK

EUR/HUF

EUR/PLN

EUR/RON

EUR/RSD

EUR/USD

Last

24.07

381.69

4.47

4.94

1.08

117.15

Change (%)

w/w

0.4

0.0

0.4

0.0

0.1

-0.6

d/d

-0.1

-0.5

-0.2

0.0

0.0

-0.1

3M Market

сzк

HUF

PLN

RON

RSD

EUR

Last

7.10

13.80

6.67

6.40

5.89

3.79

Change (bps)

w-w

-1

-18

-2

0

0

-3

d-d

0

-5

-2

0

0

0

10Y Yields

	Last	Change (bps)		
	Lasi	d-d	w-w	
CZ 10Y	4.28	1	-4	
HU 10Y	7.33	-6	-25	
PL 10Y	5.70	9	2	
RO 10Y	6.86	-1	-7	
HR 10Y	3.90	0	0	
SK 10Y	3.59	-7	-18	



Page 4/5

Group Research

Head of Group Research Friedrich Mostböck, CEFA®, CESGA® GM Retail Products & Business Development +43 (0)5 0100 11902 Head: Martin Lange CEE Macro/Fixed Income Research Head: Juraj Kotian (Macro/FI) Katarzyna Rzentarzewska (Fixed income) Corporate Treasury Product Distribution AT Head: Martina Kranzl-Carvell +43 (0)5 0100 17357 +43 (0)5 0100 17356 +43 (0)5 0100 17384 Group Securities Markets Jakub Cery (Fixed income) Head: Thomas Einramho Croatia/Serbia Alen Kovac (Head) +385 72 37 1383 Institutional Distribution Core Mate Jelić +385 72 37 1443 +385 72 37 2419 Head: Jürgen Niemeie Ivana Rogic Institutional Distribution DACH+ Head: Marc Friebertshäuser Bernd Bollhof Czech Republic David Navratil (Head) +420 956 765 439 Jiri Polansky +420 956 765 192 +420 956 765 172 Andreas Goll Mathias Gindele Ulrich Inhofner Sven Kienzle Michal Skorepa Hungary Orsolya Nyeste +361 268 4428 Rene Klasen Christopher Lampe-Traupe Danijel Popovic Michael Schmotz János Nagy +361 272 5115 Romania Ciprian Dascalu (Head) +40 3735 10108 Klaus Vosseler Eugen Sinca Dorina Ilasco Vlad Nicolae Ionita +40 3735 10435 +40 3735 10436 Slovakia Šarlota Šipulová Monika Směliková +40 7867 15618 Institutional Distribution CEE & Insti AM CZ Slovakia Maria Valachvova (Head) +421 2 4862 4185 Head: Antun Burić Jaromir Malak Matej Horna +421 902 213 591 Maior Markets & Credit Research Czech Republic Major Markets & Credit Research Head: Gudrun Egger, CEFA® Ralf Burchert, CEFA® (Sub-Sovereigns & Agencies) Hans Engel (Global Equities) Margarita Grushanina (Austria, Quant Analyst) Peter Kaufmann, CFA® (Corporate Bonds) +43 (0)5 0100 11909 +43 (0)5 0100 16314 +43 (0)5 0100 19835 +43 (0)5 0100 11957 Head: Ondrej Čech Milan Bartoš Jan Porvich +43 (0)5 0100 11183 Institutional Asset Management Czech Republic Heiko Langer (Financials & Covered Bonds) Stephan Lingnau (Global Equities) Carmen Riefler-Kowarsch (Financials & Covered Bonds) +43 (0)5 0100 85509 +43 (0)5 0100 16574 +43 (0)5 0100 19632 Head: Petr Holeček Petra Maděrová Martin Peřina +43 (0)5 0100 17331 +43 (0)5 0100 17203 Rainer Singer (Euro, US) Bernadett Povazsai-Römhild, CEFA[®], CESGA[®] (Corporate Bonds) David Petráček Blanka Weinerová Petr Valenta Croatia Head: Antun Burić Elena Statelov, CIIA[®] (Corporate Bonds) Gerald Walek, CFA[®] (Euro, CHF) +43 (0)5 0100 19641 +43 (0)5 0100 16360 CEE Equity Research Zvonimir Tukač Head: Henning Eßkuchen Daniel Lion, CIIA[®] (Technology, Ind. Goods&Services) Michael Marschallinger, CFA[®] +43 (0)5 0100 19634 +43 (0)5 0100 17420 +43 (0)5 0100 17906 Natalija Zujic Hungary Head: Peter Csizmadia Gábor Bálint Nora Nagy (Telecom) Christoph Schultes, MBA, ClIA[®] (Real Estate) Thomas Unger, CFA[®] (Banks, Insurance) Vladimira Urbankova, MBA (Pharma) Martina Valenta, MBA +43 (0)5 0100 17416 +43 (0)5 0100 17416 +43 (0)5 0100 11523 +43 (0)5 0100 17344 +43 (0)5 0100 17343 +43 (0)5 0100 11913 Ádám Szönvi Romania and Bulgaria Head: Octavian Florin Munteanu Group Institutional Equity Sales Croatia/Serbia Mladen Dodig (Head) Boris Pevalek, CFA® Head: Michal Řízek Werner Fürst Viktoria Kubalcova +381 11 22 09178 +385 99 237 2201 +385 99 237 5191 Marko Plastic Thomas Schneidhofer Matei Pretkovic +385 99 237 7519 Oliver Schuster +385 99 237 7319 +385 99 237 1662 +385 99 237 1041 +385 72 37 2825 Iva Tomic Bruno Barbic Czech Republic Head: Michal Řízek Davor Spoljar, CFA* Jiří Fereš Martin Havlan Czech Republic Petr Bartek (Head, Utilities) Jan Safranek Pavel Krabička Poland +420 956 765 227 +420 956 765 218 Head: Jacek Jakub Langer Tomasz Galanciak Wojciech Wysocki Przemyslaw Nowosad Grzegorz Stepien Hungary József Miró (Head) András Nagy Tamás Pletser, CFA® +361 235 5131 +361 235 5132 +361 235 5135 Croatia Matija Tkalicanac Hungary Nandori Levente Poland +48 22 257 5751 +48 22 257 5755 +48 22 257 5754 Cezary Bernatek (Head) Piotr Bogusz Łukasz Jańczak Krisztian Kandik Balasz Zankay Romania Liviu Avram Krzysztof Kawa Jakub Szkopek +48 22 257 5752 +48 22 257 5753 Romania Caius Rapanu +40 3735 10441 Group Fixed Income Securities Markets Head: Goran Hoblaj Group Markets Fixed Income Flow Sales Head: Gorjan Hoblaj Margit Hraschek Christian Kienesberger Ciprian Mitu Head of Group Markets Oswald Huber +43 (0)5 0100 84901 Group Markets Retail and Agency Business Head: Christian Reiss Bernd Thaler +43 (0)5 0100 84012 Zsuzsanna Toth Poland Pawel Kielek Michal Jarmakowicz Markets Retail Sales AT Head: Markus Kalle +43 (0)5 0100 84239 Group Markets Execution Fixed Income Flow Trading +43 (0)5 0100 84232 Head: Kurt Gerhold Head: Gorjan Hoblaj Retail & Sparkassen Sales Group Fixed Income Securities Trading +43 (0)5 0100 83214 Head: Uwe Kolar Head: Goran Hoblai Markets Retail Sales CZ Group Equity Trading & Structuring Head: Ronald Nemec Head: Roman Choo +420 956 765 374 Markets Retail Sales HUN Business Support Bettina Mahoric Head: Peter Kishazi +36 1 23 55 853

+43 (0)50100 86441

For the exclusive use of Erste Group Client. (Erste Group)



Page 5/5

Disclaimer

This publication was prepared by Erste Group Bank AG or any of its consolidated subsidiaries (together with consolidated subsidiaries "Erste Group") independently and objectively as other information pursuant to the Circular of the Austrian Financial Market Authority regarding information including marketing communication pursuant to the Austrian Securities Supervision Act. This publication serves interested investors as additional source of information and provides general information, information about product features or macroeconomic information without emphasizing product selling marketing statements. This publication does not constitute marketing communication pursuant to Art. 36 (2) Austrian Securities Supervision Act as no direct buying incentives were included in this publication, which is of information character. This publication does not constitute investment research pursuant to § 36 (1) Austrian Securities Supervision Act. It has not been prepared in accordance with legal requirements designed to promote the independence of investment research and it is not subject to the prohibition on dealing ahead of the dissemination of investment research. The information only serves as non-binding and additional information and is based on the level of knowledge of the person in charge of drawing up the information on the respective date of its preparation. The content of the publication can be changed at any time without notice. This publication does not constitute or form part of, and should not be construed as, an offer, recommendation or invitation to subscribe for or purchase any securities, and neither this publication nor anything contained herein shall form the basis of or be relied on in connection with or act as an inducement to enter into any contract or inclusion of a security or financial product in a trading strategy. Information provided in this publication are based on publicly available sources which Erste Group considers as reliable, however, without verifying any such information by independent third persons. While all reasonable care has been taken to ensure that the facts stated herein are accurate and that the forecasts, opinions and expectations contained herein are fair and reasonable, Erste Group (including its representatives and employees) neither expressly nor tacitly makes any guarantee as to or assumes any liability for the up-to-dateness, completeness and correctness of the content of this publication. Erste Group may provide hyperlinks to websites of entities mentioned in this document, however the inclusion of a link does not imply that Erste Group endorses, recommends or approves any material on the linked page or accessible from it. Neither a company of Erste Group nor any of its respective managing directors, supervisory board members, executive board members, directors, officers of other employees shall be in any way liable for any costs, losses or damages (including subsequent damages, indirect damages and loss of profit) howsoever arising from the use of or reliance on this publication. Any opinion, estimate or projection expressed in this publication reflects the current judgment of the author(s) on the date of publication of this document and do not necessarily reflect the opinions of Erste Group. They are subject to change without prior notice. Erste Group has no obligation to update, modify or amend this publication or to otherwise notify a reader thereof in the event that any matter stated herein, or any opinion, projection, forecast or estimate set forth herein, changes or subsequently becomes inaccurate. The past performance of securities or financial instruments is not indicative for future results. No assurance can be given that any financial instrument or issuer described herein would yield favorable investment results or that particular price levels may be reached. Forecasts in this publication are based on assumptions which are supported by objective data. However, the used forecasts are not indicative for future performance of securities or financial instrument. Erste Group, its affiliates, principals or employees may have a long or short position or may transact in the financial instrument(s) referred to herein or may trade in such financial instruments with other customers on a principal basis. Erste Group may act as a market maker in the financial instruments or companies discussed herein and may also perform or seek to perform investment services for those companies. Erste Group may act upon or use the information or conclusion contained in this publication before it is distributed to other persons. This publication is subject to the copyright of Erste Group and may not be copied, distributed or partially or in total provided or transmitted to unauthorized recipients. By accepting this publication, a recipient hereof agrees to be bound by the foregoing limitations. This document is only made to or directed at investment professionals (as that term is defined in Article 19(5) of the Financial Services and Markets Act 2000 (Financial promotion) Order 2005 ("FPO")) or to persons for whom it would otherwise be lawful to distribute it. Accordingly, persons who do not have professional experience in matters relating to investments should not rely on this document.

© Erste Group Bank AG 2023. All rights reserved.

Published by:

Erste Group Bank AG Group Research 1100 Vienna, Austria, Am Belvedere 1 Head Office: Wien Commercial Register No: FN 33209m Commercial Court of Vienna

Erste Group Homepage: www.erstegroup.com