



Bucharest, November 2022

Content

- About Horváth
- Facts and trends
- Your contact person

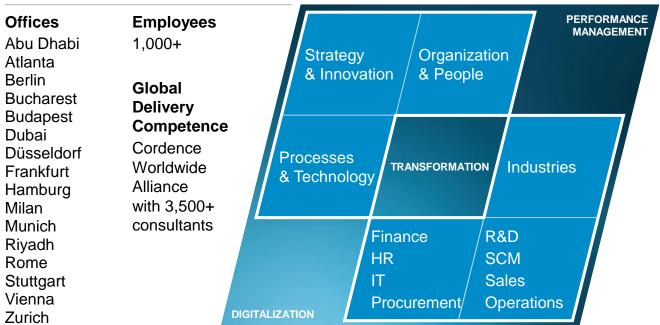
Horváth at a glance

Values

Entrepreneurship, Competence, Innovation, Openness and Trust

Mission

Eager to support our clients in transforming their organizations to become unbeatable in a changing world – leveraging our DNA in performance management



Industry Expertise

Automotive | Aviation | Banking & Financial Institutions | Building & Construction | Chemicals | Consumer Electronics & High Tech | Consumer Goods | Health Care | Industrial Services | Industrial Goods & Machine Industry | Insurance | Life Science | Logistics | Media | Medical Devices & Technology | Metals & Mining | Oil & Gas | Paper & Packaging | Public Sector | Rail | Retail | Telecommunication | Travel | Utilities

Creating sustainable benefits for our clients by outstanding concepts and excellent delivery

PERFORMANCE MANAGEMENT

At the heart of performance management is holistic corporate performance management, consisting of analysis, planning, reporting as well as measures to ensure that corporate targets are met and corporate performance is increased sustainably.

With its core competence in strategic and operative steering, Horváth is the specialist for performance management in all business areas.

TRANSFORMATION

Global megatrends and a changed competitive environment require the right strategic and operative responses to further develop their business model, organizational structures and employees, as well as processes and technologies, in a holistic way and align them sustainably.

With our integrated transformation approach of expertise and change management, we work with you to define the right target picture with the potential for your company and implement it successfully.

DIGITALIZATION

Today, digitalization represents the transformation potential of rapidly developing software technologies, ranging from the automation and optimization of corporate processes through to the digitalization of existing and new business models. Digital platforms, cloudification, data analytics, machine learning and artificial intelligence are examples of modern technologies which create data-driven companies.

A consistent digital strategy which can be implemented in a suitable operating model using the latest technologies enables your company to take advantage of arising opportunities.

How the market sees us

Most Innovative Companies



2022, 2021 | Capital/Statista Study

Top Consulting Company





Industries

Automotive, Banking & Financial Institutions, Chemicals, Health Care/Pharma, Industrial Goods, Consumer/Retail, Public Sector, Infrastructure, Insurance

Expertise

Strategy/Organization development, Marketing/Sales, Procurement/SCM, Compliance/Risk Management

2022, 2021

Best Management Consultants



Industries

Banking Machinery & Plant Engineering Public Sector, Infrastructure Insurance

Expertise

Strategy development IT Strategy Restructuring Organization Procurement, SCM Marketing, Brand, Pricing Operations Management Finance, Risk Management Data Analytics, Big Data

2022, 2021 | Customer review by industries and expertise

Best of Consulting



2019, 2018, 2015, 2014, 2013, 2012, 2010

Top 100 Innovator



2018, 2015, 2010, 2005

No. 1 in Controlling & Finance



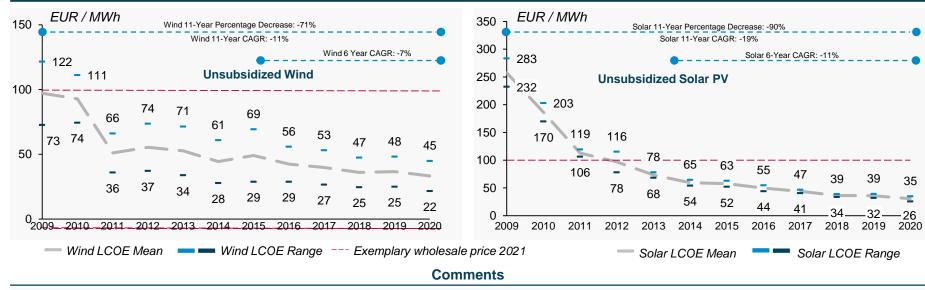
2020, 2018, 2015, 2012, 2009, 2006, 2003 | WGMB Study

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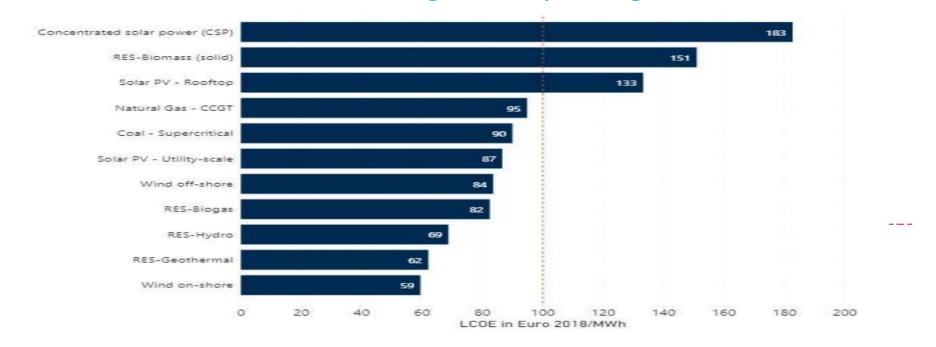
Penetration of renewables will significantly change merit order





- Due to significant declines in technology costs and improvements in efficiency, wind and solar PV LCOE declined sharply
- Difference between wholesale prices and LCOE range shows a very strong incentive for massive investments in renewables. A large number of projects are expected to commence in the next years, not only with public support schemes (CfD, Modernisation Fund, NRRP) but also funded by private equity

Penetration of renewables will significantly change merit order



- Due to significant declines in technology cost RES become best in class technology
- Lower LCOEs leading to stabilization of market price and increased competition
- Fossil fuels technologies heavily affected by both CO2 and NG/coal international price

In Romania, coal & gas power generation are here to stay at least for the mid term mainly due to insufficient new commissioning of (RES) capacities

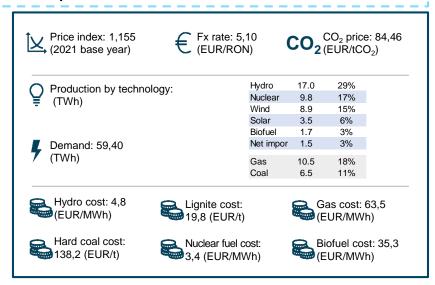
Forecast hypotheses for 2023

Forecast hypotheses for 2025

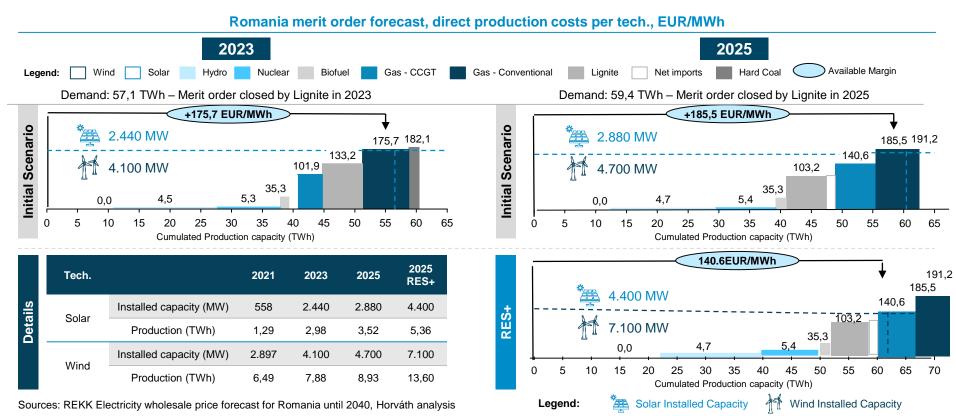
Model Methodology

- The "merit order effect" offers insights on the mechanism by which the market price is set, if used ex-post; The forecasted merit order can only provide a **rough indication** of the technology and marginal cost interval that will close the merit order
- The high-level estimation can be used only to determine the general trend in the market by comparison with the current prices
- The forecasted merit order does not provide an indication of future prices

Assumptions	Macro	Price index: 1,094 \bigcirc Fx rate: 5,05 \bigcirc CO ₂ price: 80 (2021 base year) \bigcirc (EUR/RON)
	Market	Production by technology: (TWh) Hydro 16.7 Nuclear 10.4 18% Wind 7.9 13% Solar 3.0 5% Biofuel 1.4 2% Net impor 1.7 3% Coal 5.4 9%
	Costs	Hydro cost: 4,5 (EUR/MWh) Lignite cost: 18,9 (EUR/t) Gas cost: 60 (EUR/MWh) Hard coal cost: Nuclear fuel cost: 3,3 (EUR/MWh) Biofuel cost: 35,5 (EUR/MWh)



We simulated a scenario of additional RES production required to push the last technology of the merit order and a price decrease of 25% for 2025 (RES+)



10 Energy market in 2022. Facts and trends © Horváth

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HORVÁTH

Steering Business Successfully