

Support in FERX auctions participation

AFRY offering on bidding strategies for the Italian power market



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CONTEXT

In the next decade, new RES capacity in Italian power market will be driven by auctions. Competition is high and being awarded is crucial for investments

RES DEVELOPMENT OUTLOOK 2030 79.9 26.0 106.0 target1 Current 30.3 12.3 42.6 capacity 16.5 115.1 FER X1 46.0 Projects that will not access the incentive Existing **Projects** pipeline Onshore wind Small scale (Solar PV + Onshore wind) Solar PV

TOP REASONS FOR AUCTION SUPPORT

In such a competitive environment, developing a **good bidding strategy** - which ensures access to the incentive and therefore profitability of the investment - depends on:

Internal factors

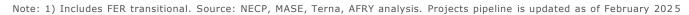
Expected returns, risk appetite, technical project standards, and optimal bidding price to ensure cost recovery and efficient asset operation

External factors

Projections of the expected behavior of competitors based on detailed pipeline assessment

Key AFRY's value added

Deep knowledge of the Italian RES market and competitive landscape which enables data-driven decision-making



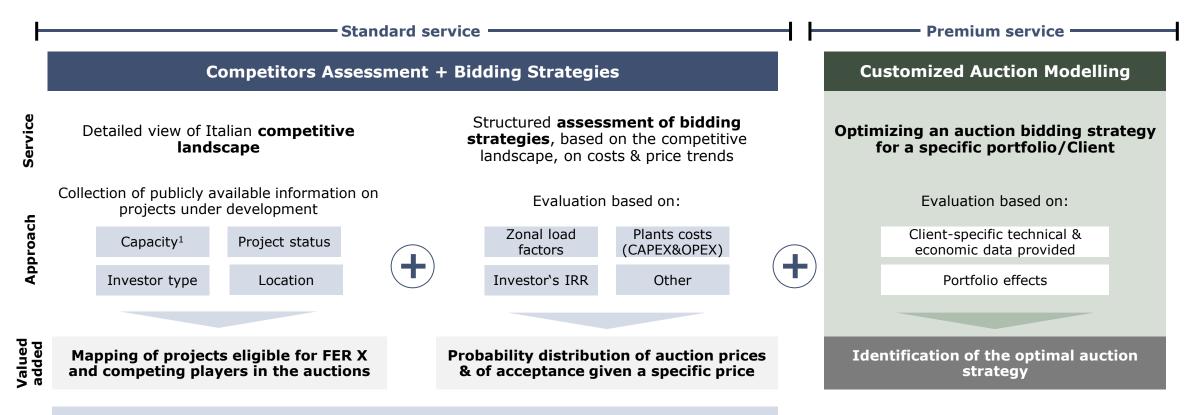


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AFRY combines comprehensive pipeline assessment with a detailed view on the Italian market to develop a detailed bid strategy for FER X auctions



The **standard service** will be provided to Clients in:

- Base format: Reports and numerical KPIs in Excel format 🛂
- Full format: Reports, full Database and Model



Please contact us for any bespoke offering related to standard services

Notes: 1) Up to Municipal detail



In-depth mapping of the competitive landscape for FERX auctions, with detail of the pipeline (capacity, status, investor etc.) up to municipal level

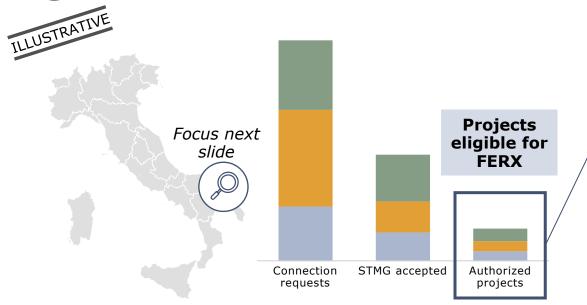


KEY QUESTIONS THE ANALYSIS WILL ANSWER

What is the competitive landscape of the auction? What are the characteristics of eligible projects? Who are the competing players?



RES project pipeline and competing players mapping



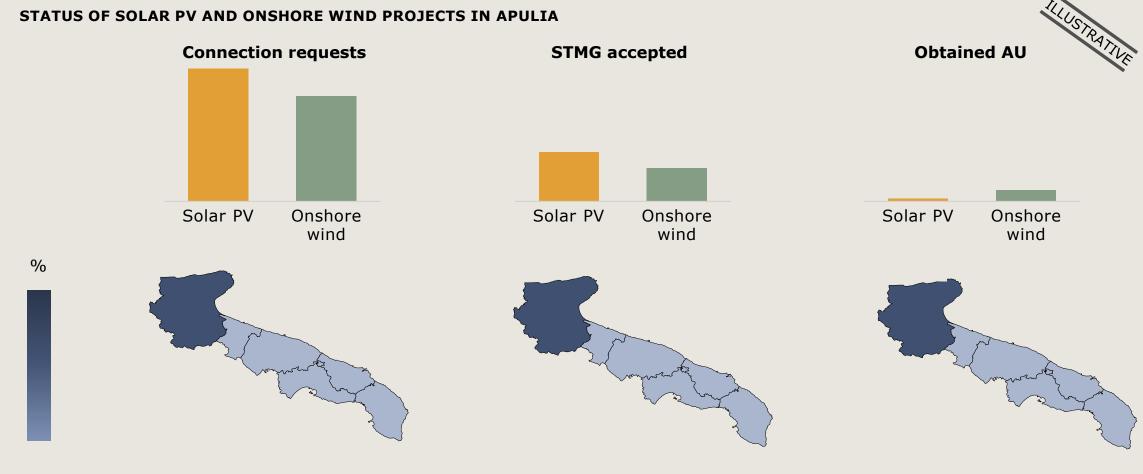
Detailed assessment¹

Projects	Technology	Developer	Location	Capacity (MW)	Dev Status
Project 1	Solar	Fund A	North	19.99	PAS
_					process
Project 2	Solar	Utility B	South	26	VIA
1 Toject 2					submitted
Project 3	Wind	Utility C	Sardinia	78	VIA
Project 3					submitted
Project n	Solar	Developer N	Calabria	19.1	Authorized

Notes: 1. The evaluation will be conducted using a database developed by AFRY, which compiles all publicly available information on authorization procedures from various sources and administrative levels, including MASE, regional BAUR, and Municipal Administrations.



AFRY will provide the Client with detailed information up to project level of solar and onshore wind pipeline



Notes: 1. The evaluation will be conducted using a database developed by AFRY, which compiles all publicly available information on authorization procedures from various sources and administrative levels, including MASE, regional BAUR, and Municipal Administrations.

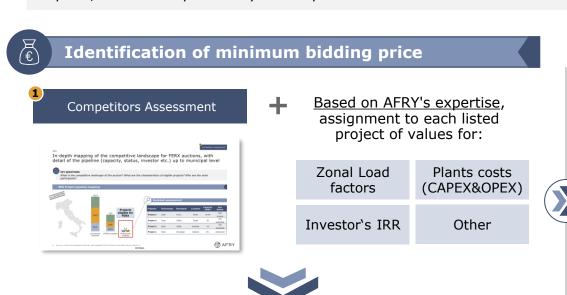


The mapping and AFRY's view on key techno-economical parameters will inform the assessment of potential bidding strategy in FER X auctions



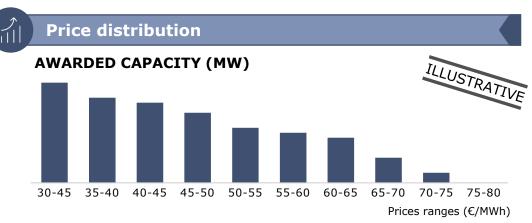
KEY QUESTIONS THE ANALYSIS WILL ANSWER

What will be the range of prices offered in the auctions? What is the maximum price that guarantees access to the incentive? Given a specific bid price, what is the probability of acceptance?

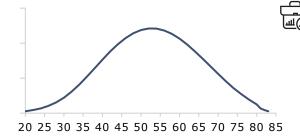




Identification of a bidding price that allows each given project to achieve the selected IRR



PROBABILITY DENSITY



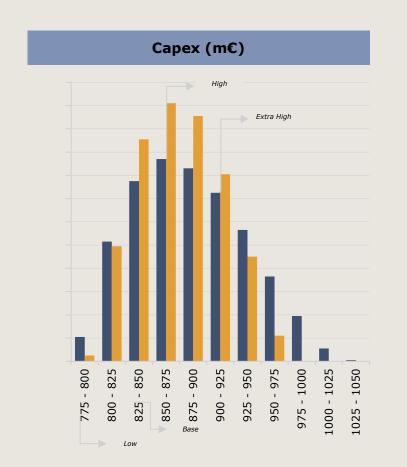
AFRY can also develop bespoke sensitivities of the potential bid strategies implementing specific assumptions affecting the FER X bidding prices the Client might want to simulate

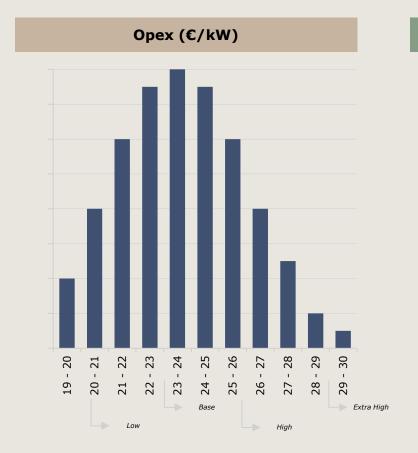


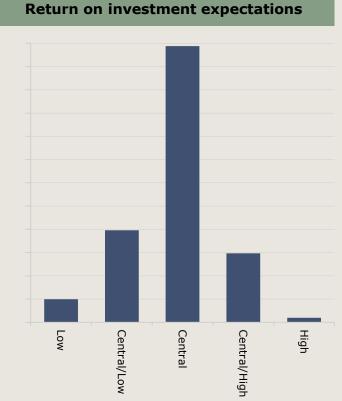
LUSTRATIVE

AFRY OFFERING

AFRY can support the Client in defining probability functions to potential Capex, Opex and return on investment expectations







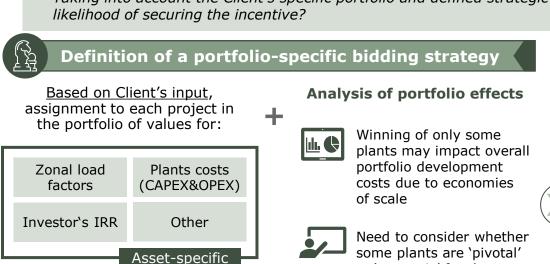


AFRY can support clients in building customized auction strategies taking into account portfolio characteristics and strategic criteria set by the client



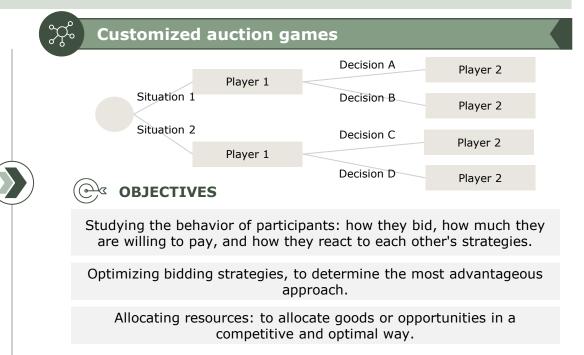
KEY QUESTIONS THE ANALYSIS WILL ANSWER

Taking into account the Client's specific portfolio and defined strategic criteria, which bidding strategy would be most effective in enhancing the likelihood of securing the incentive?



Optimization of the bid level based on portfolio requirements, cost assumptions and Client's objective

or 'strategic' for the Client (anchor plants)



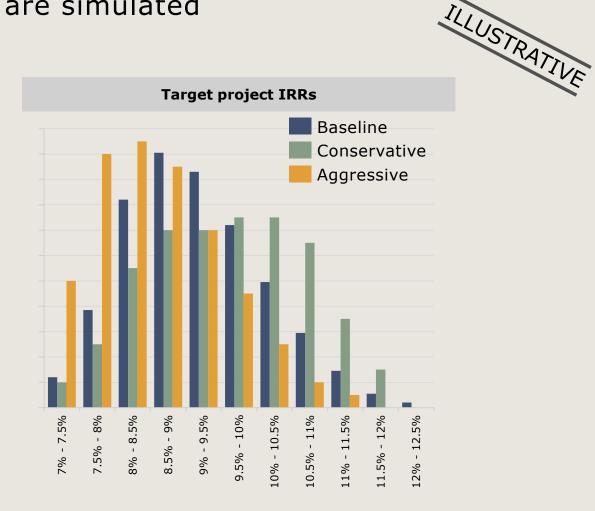


AFRY can develop bespoke sensitivities of potential bid strategies implementing specific assumptions affecting FER X bidding prices agreed with the Client



AFRY will be able to create different sensitivities where different bidding profiles associated to companies' clusters are simulated

		Sensitivity		
		Conservative	Baseline	Aggressive
	Very aggressive			Cluster A
file	Aggressive		Cluster A	Cluster B
Bidding profile	Baseline	Cluster A	Cluster B	Cluster C
Bic	Conservative	Cluster B	Cluster C	
	Very conservative	Cluster C		





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WHY AFRY?

AFRY combines a solid market and regulatory knowledge with unique experience in technical and economic evaluations in the Italian RES market



Trustworthy advisor and internationally bankable

AFRY is a trustworthy and distinguished advisor, whose opinions and reports are well-recognized by major investors and financing institutions. AFRY is highly regarded in the energy investment community as independent and reliable technical and commercial advisor, whose opinions and documents are well recognized by investors nationally and globally. Our power projections are a cornerstone for the investment community and wield substantial influence among global utilities and institutions.



AFRY has broad experience across the world on supporting Clients with bidding strategy and auctions participation

Client	Country	Description
Upstream gas producers and downstream gas shippers		Training on auctions rules for UK entry capacity purchasing mechanism and support during the auction process
Confidential retail client		Support with bidding strategy and auction procedures in the Italian retail liberalisation auction
Confidential client	=	Design of bidding strategies for the participation in the Greek renewable auctions
Large utility active in Mexico		Support for the participation into the fourth long-term Mexican auction, with identification of different strategies for different projects in pipeline
Developer of advanced gasification EfW projects	4 <u>b</u>	Support in the comprehension of the competitive landscape for the second renewable subsidy auction based on CfD scheme in UK
Offshore wind developer	4 <u> </u> 2 2 2 2 2 2 2 2 2	Support in the comprehension of the competitive landscape for the second renewable subsidy auction based on CfD scheme in UK
Small hydro developer		Design of a set of bidding strategies for a small-scale hydro bidder for the first Mexican long-term auction
Confidential client	4 2	Analysis and strategic support to a client to maximize the possibilities of a positive outcome for the British Capacity Auctions



AFRY is a global engineering, design, and advisory company with 19,000 experts serving clients in more than 100 countries across the globe

AFRY AT GLANCE

EMPLOYEES GLOBALLY (2024)

~ 19,000

NET SALES (2024)

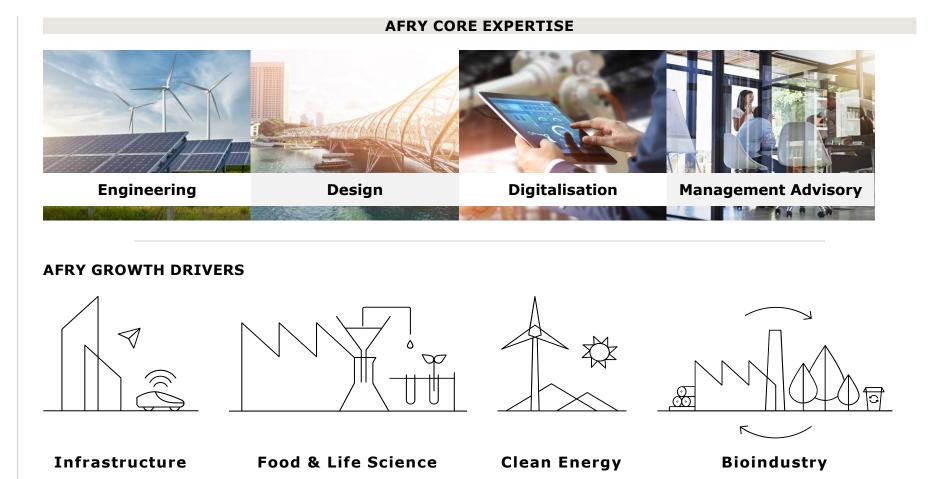
€ 2.5 bn

NUMBER OF COUNTRIES WITH OFFICES

> 40

NUMBER OF COUNTRIES WITH PROJECTS

> 100



Market Analysis sits in AFRY Management Consulting Division (MCD) together with Strategy, Operational & Digital and Transaction Practices

OUR SERVICE AREAS



Strategy Advice



Operational & Digital Transformation



Transaction Services



Market Analysis

SELECTED CONSULTING AREAS IN THE ENERGY INDUSTRY



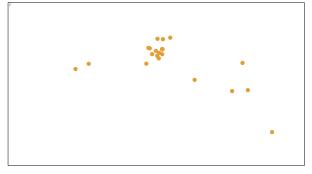
Leading advisor to the energy industry

500+ consultants

Leading market modelling solutions and digital tools

Strong collaboration with our **industry consulting** colleagues

Close cooperation with the **engineering**, **design**, and digitalisation teams of the AFRY Group

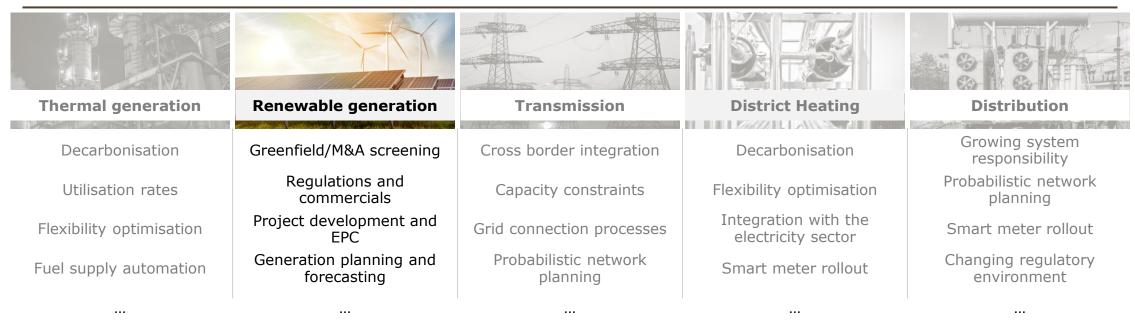


Bangkok | Beijing | Berlin | Düsseldorf | Dubai | Gothenburg | Hamburg | Helsinki | Houston | London | Madrid | Manila | Milan | Munich | New York | Oslo | Oxford | Paris | Stockholm | Sydney | Vienna | Zurich



We address the energy industry's core challenges with focus on the assetheavy parts of the value chain

Selected key challenges across AFRY's core areas of energy infrastructure expertise



Selected system-wide challenges

Data storage, usability, and security Process efficiency and stability Investment decision complexity

ESG1) criteria and certification Asset management & maintenance Business model & market actor diversification Customer requirement changes Consumer behaviour changes System volatility and security



¹⁾ Environmental, social, and governance

Contact Details



Siliprandi Riccardo, Senior Principal, Milan riccardo.siliprandi@afry.com +39 347 7405606



Pacciarini Paolo, Principal, Milan paolo.pacciarini@afry.com +39 344 2279436

ABOUT US

AFRY is a European leader in engineering, design, digital and advisory services, with a global reach. We accelerate the transition towards a sustainable society.

We are 19,000 devoted experts in infrastructure, industry, energy and digitalisation, creating sustainable solutions for generations to come. AFRY Management Consulting works globally to address challenges and opportunities in the energy, bioindustry, infrastructure, industrial and future mobility sectors. Our energy practice is the leading provider of strategic, commercial, regulatory and policy advice to energy markets worldwide. Our energy team of over 400 specialists offers unparalleled expertise in the rapidly changing energy markets across Europe, the Middle East, Asia, Africa, Australia and the Americas.



Making Future



