

Expansion to new adjacencies & abroad by leveraging the pioneer position in Türkiye





Strategic Direction from "Traditional" to "Disruptive"...



Sustainability is our guiding principle in each and every business decision we take.

We aim to benefit & develop our strong human capital and competencies to expand our operations abroad.





We position ourselves in the center of the global innovation ecosystem. We are committed to staying at the center of the technologies that will shape the future energy world.





...with our subsidiaries present in many steps of the energy value chain...





Distribution & Retail

40% Sabancı Holding

40% E.ON

20% Free Float

ENERJISAÜRETİM



Generation & Trade

50% Sabancı Holding

50% E.ON

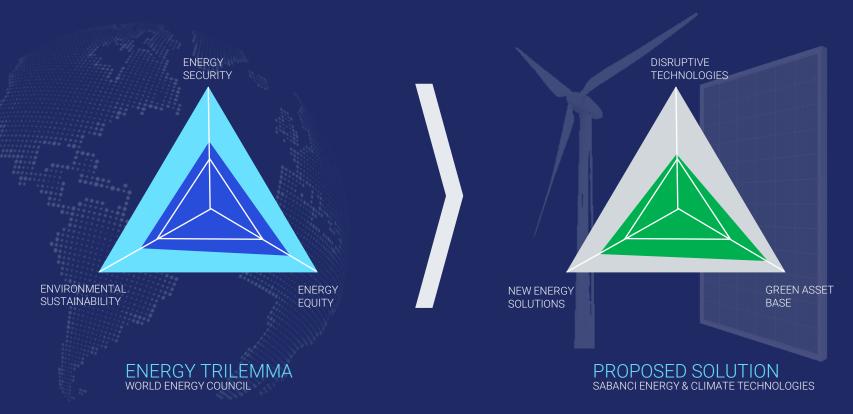




100% Sabancı Holding



...in order to achieve the impossible in the "Energy Trilemma"



Diversified energy portfolio throughout the value chain



Distribution & Retail

14 Cities

22 mn

321,332 km

Network

39.2 TWh Sales (2022)

668 / 512

Stations in Eşarj / DC Stations

6

Metropoles

10.4 mn

Customers

TL 28.0 bn

Regulated Asset Base

12.1 mn

Connections

66

Cities with Eşarj Stations

ENERJISA ÜRETİM

Generation & Trade

24

ower Plant

5

Fechnologie

3.7 GW

nstalled Capacity

14.6 TWh

Generation (2022)

45.5%

renewables in 2026*)

28.5 TWh

rading (2022)

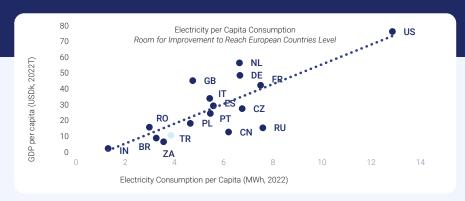


Renewable Energy
Generation in U.S.

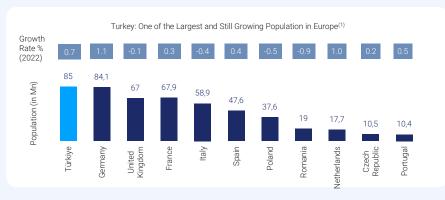
Investments in Climate Technologies
Through Energy and Climate VC



Strong fundamentals for continued growth in Türkiye







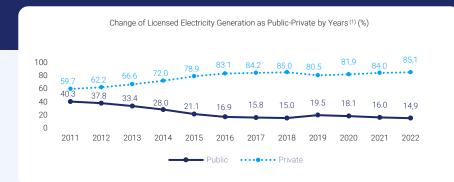




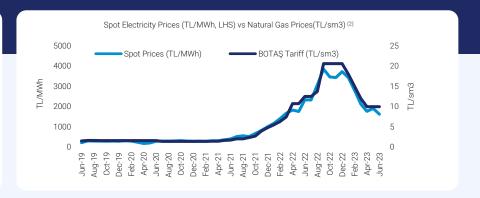
⁽¹⁾ Sources: World Bank, Statista, (2) EMRA Sector Report 2022,

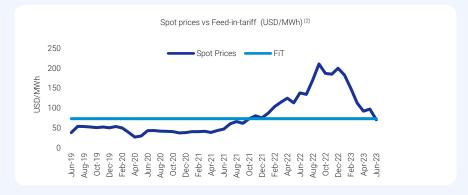
⁽³⁾ Safety zone is determined as 15% in PJM market. However, in Turkish market, due to nature of hydroelectric power plants and hydro volatility 20% to 25% is considered as safety zone.

Liberalized market mechanism in Türkiye









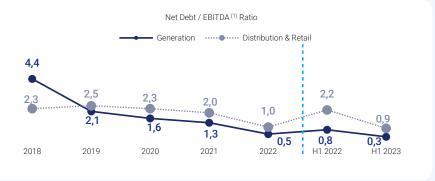


Exceptionally strong performance driven by stronger returns in Türkiye











⁽¹⁾ Excludes non-operational and non-recurring one off items

^{(2) 2022} and H1 2023 dividend figures include advance dividend of the following year.

Enerjisa Üretim, with its clear roadmap, would continue to grow continuously by utilizing its own resources...

Protect & Grow the Core

Growth in Renewable Generation Capacity

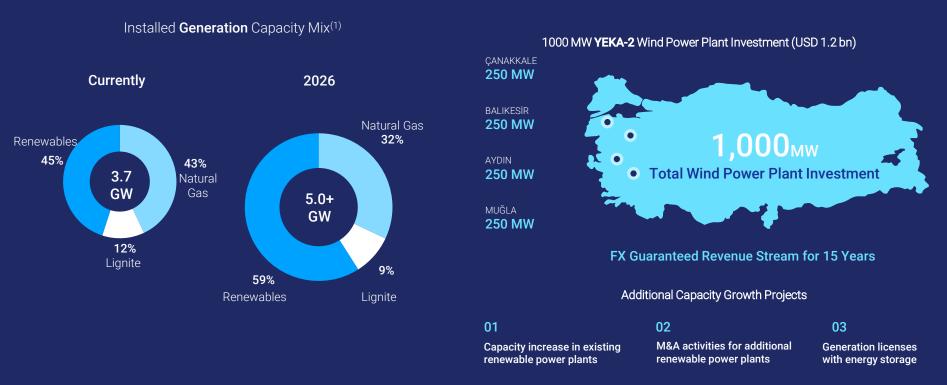
○ Trade Business Expansion (Power, Gas and Carbon) Globally

Output Expand Digital & Energy Services

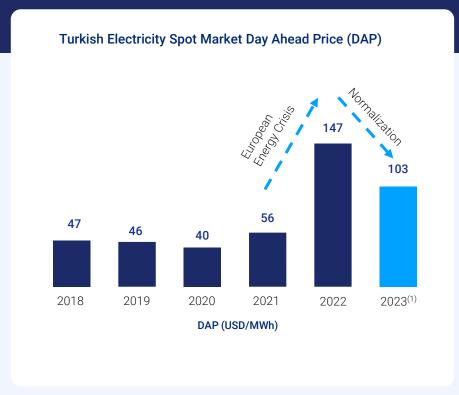
Adjacencies & Transform



....consequently, a significant step towards +5,000 MW installed capacity target has been taken



USD-based fixed price to continue after gradually replacing FiT renewable power plants with 1GW YEKA project for 15 years contract period



Enerjisa Üretim Natural Gas (1.6 GW) & Lignite (0.4 GW) Generation are priced as follows;

Price Caps & Limits

Enerjisa Üretim is bound by market price after removal of technology based maximum settlement price as of Oct. 2023.

Enerjisa Üretim Renewable Generation (1.7 GW) is priced as follows;

FiT & Spot Market

Enerjisa Üretim

Enerjisa



Exploring next generation capabilities in power generation & trading

ASSET LIGHT GROWTH



Trading Globally

- Establishment of Enerjisa Commodities BV in 2023.
- Trading in 8 different countries and having activities for environmental commodities for 25 countries.
- Reached a trading volume of +10 TWh in CWE⁽¹⁾ and CESEE⁽²⁾ in 2023.



Energy & Digital Services

- Establishment of Senkron Energy Digital Services BV in 2023.
- Commercializing technological know-how and digital services with low market entry cost while sustaining the competitive advantage
- Providing plant management, data services, cyber security solutions and digital energy platform for training and green energy solutions.



GREEN HYDROGEN

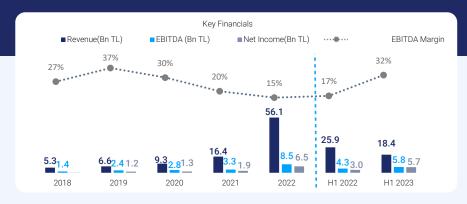


- Started to produce & store green hydrogen in the pilot project to use in generator cooling – as the first private sector player in Türkiye.
- Joined a 16-member consortium for the "HY South Marmara Project," which aims to establish Türkiye's first Green Hydrogen Valley.
- Planned to install electrolyzers, in line with the expected domestic and international demand.

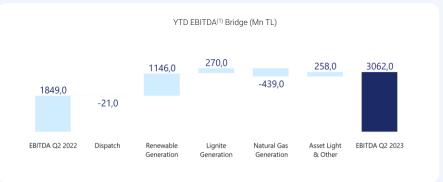
ENERGY STORAGE LICENSES

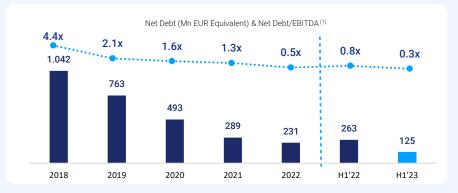
- Energy storage prelicenses were distributed by the regulatory authority which covers utility scale electricity storage facilities coupled with same capacity wind or solar power plants.
- Enerjisa Üretim received 500 MW capacity for 3 locations, all of which are also wind power plants.

Solid balance sheet structure & strong financial performance











Enerjisa Enerji, in regulated and free market operations, would continue to grow and lead energy transition of Türkiye

Protect & Grow the Core

Optimize Retail Operations

O Growth in Customer Solutions

- Distributed Generation / Solar
- Energy Efficiency & Decarbonization
- E-mobility / E-charging Platform

Adjacencies & Transform



Strong position in distribution & retail and an inflation-linked business with real return

Competitive Advantages

- Türkiye's leading electricity distribution and retail company economies of scale
- ► TL and inflation linked long-term borrowing to match revenue stream access to competitive financing with Sabancı brand
- Fundamental growth from incumbent regions (Başkent, Ayedaş and Toroslar)
- Large retail customer base of more than 10 million (representing 22% market share) with high proportion of regulated sales
- Premium sponsors and superior governance (Sabancı & E.ON)
- ▶ Well positioned to capture growth & attractive dividend pay-out







Heavily concentrated on network investments but also an important efficiency game





Acting as a solution partner with technological competencies by leveraging extensive customer network





Distributed Generation, Energy Efficiency, Decarbonization & Storage

- Creating a sustainable and service-based business model through Energy Performance Contracts (EPCs)
- Offering our customers environmentally-friendly energy solutions with a focus on distributed generation, decarbonization, and efficiency.
- Developing and executing sizeable-scale projects, with an upside potential highlighted by the Medium Term Program (2024-2026) of Türkiye.
- 205 MW of solar power plant prelicenses with electricity storage



E-mobility / E-charging Platform

In July 2023, Enerjisa Enerji reached %100 ownership of Eşarj

As of the end of September

668

Stations in

66 Cities

156

AC Stations

512

DC Stations

As of 2023 YE

1,000

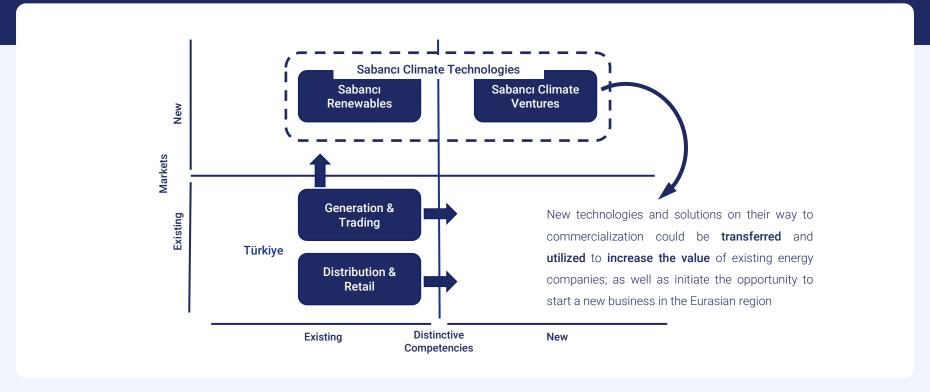
Stations in

81 Cities





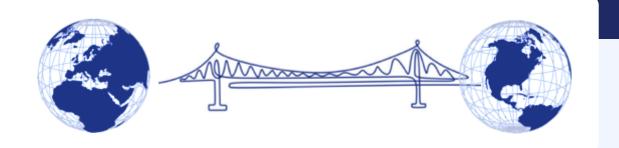
Transforming the energy business to pursue opportunities in "disruption & expansion abroad"





It is time to leverage core capabilities in the Energy SBU & expand the business to create higher value for all stakeholders

We lead energy and climate transition by bridging the gap between emerging and developed markets



Sabancı Climate Technologies, wholly owned subsidiary of Sabancı Holding, will undertake renewable energy power plant investments and strategic investments in various venture capital funds and start-ups, primarily in the USA and Europe.

Focus Investment Areas Focus Geographies On-shore wind Utility scale solar Battery storage Focus Geographies FRCOT PJM NISO Distinctive Competency Execution and digital asset management capabilities in renewables

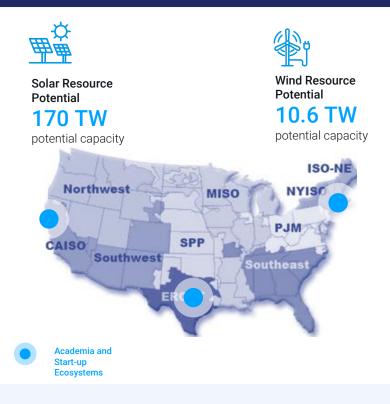
Focus Investment Areas ► Early-stage Energy and Climate solutions Focus Geographies ► Predominantly the USA, and Europe

Distinctive Competency

► Early market penetration of startups in emerging markets



US came to the fore with the attraction of being world's 2nd largest renewable energy market & the largest corporate venture ecosystem



Facts on Renewable Energy Investments

- US is the 2nd largest renewable energy market following China. Around 100 GW of renewable capacity was installed in the US for the last 3 years
- US companies have committed to source 80% of their consumption from renewable sources by 2045, which is around 4,050 TWh
- Extended and enhanced Renewable Energy Incentives (IRA Inflation Reduction Act)
- The most developed & least-regulated power market and longterm stable base revenue streams in USD terms
 - The most liquid financial market with the lowest cost of funding

Facts on Start-up Investments

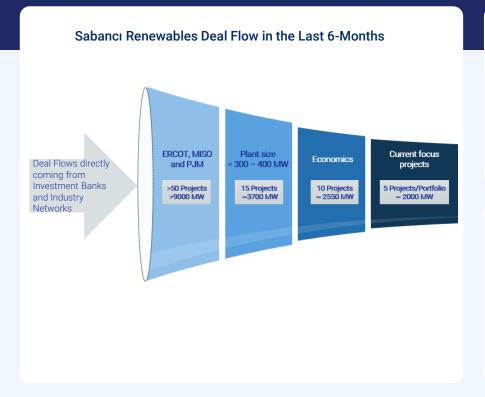
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North America set an annual record in capital commitments and captured 66.4% of the funds closed (168 bn USD) in 2022

More than 50% of global unicorns emerge in the US



Further investments are ongoing in on-shore wind and utility-scale solar projects to exceed 1,000 MW



Focused **Target Geographies Target Technologies** Investment **Approach** ERCOT P.JM Utility-scale solar MISO Battery storage **Solid Business** EPC contract with a pioneer company Model for the Highly credible PPA contracts Execution Financing partnerships with global banks Tax equity partnership as incentive model of the USA



After detailed research & studies, first solar project in Texas has initiated that offers a variety of opportunities for the future growth



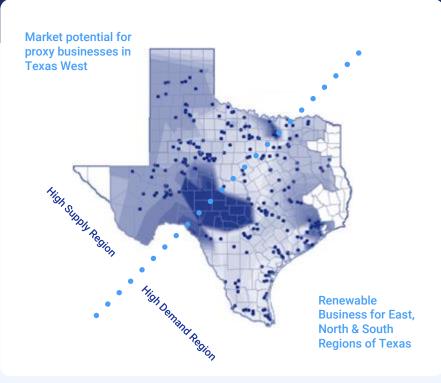


272 MW Cutlass II Solar Power Plant Project

- Project Acquisition: October'22
- EPC Agreement with Bechtel: October'22
- Ower Purchase Agreement with a Reputable Off-Taker: January'23
- ✓ Project Finance with Reputable Banks: January'23
- Tax Equity Closing: October'23
- ✓ Commercial Operation Date: Mid-April'24



Sabancı Group's generation capacity to reach 500 MW in the US once the 2nd project "Oriana Solar Power Plant" completed



232 MW Solar Power Plant Project With 60 MW Battery Storage

- Close to the major load centers of Houston and Corpus Christi, anticipated centers of future green fuel investment, as well as the increasing LNG related load
- Shovel-ready project with low execution risk; developed by an experienced and reputable Project Firm

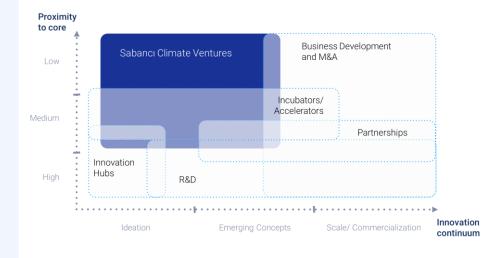
Solid Business Model for the Execution

- Project Acquisition: October'23
- EPC Agreement: October'23
- Construction Start (FNTP): Q1'24
- Opportunity to invest in battery storage project in the future



Sabancı Climate Ventures will create extended innovation ecosystem & enable early access to disrupting technologies...

Sabancı Climate Ventures is a necessity to position for the future and not competing with other activities while generating attractive financial returns over the full fund cycle



Value Proposition to Start-Ups

- Acceleration, piloting, and commercialization partner in a vibrant emerging market
- Access to multiple generation technologies and +10Mn user-base in the electricity value chain
- Relationship building and expertise gaining opportunity from leaders of Türkiye's largest private utility player

Value Extraction

- Strong collaboration with Sabancı Group companies through dedicated platform teams to pilot and scale start-up concepts/products
- Pursue board observer seat in investments to increase collaboration opportunities and learnings



....via the investments in climate technologies fund & investments directly to start-up companies



- Invested in a venture fund with a portfolio of start-ups from seed to growth stage
- Portfolio with a focus on innovative energy and climate technologies, advanced material technologies, artificial intelligence and robotics technologies
- Deal flow of start-ups originated from within and around MIT, Harvard, and Rochester University



- Coming out of MIT's Plasma Science and Fusion Center and reached a valuation of \$5 billion in September 2021
- Having the potential to enable clean nuclear energy production in the future to remove the limits on energy
- Breakthrough Energy, founded by Bill Gates, is among the major investors of the company

QV/ISE

- Coming out of MIT and reached a valuation of over 100 million USD in June 2022
- Planning to provide access to deep geothermal energy resources economically with its revolutionary drilling technology
- Especially important for Türkiye as the 1st country in Europe to the geothermal potential
- Initiating a joint task force to search for cooperation opportunities in Tufanbevli PP



- Founded in San Francisco in 2021
- Developed compliance tracking and insight software to manage and improve ESG footprint in various sectors
- Providing deep analytics that can be integrated with ESG systems of companies
- Enabling customization of the platform by companies to define its own framework from a collection of existing standards



While contributing to Türkiye's green energy transition, we stay committed to sound management of ESG risks and investing in communities that we operate in



Key Player in Energy Security

- Providing uninterrupted, continuous, accessible energy to one out of every 4 people in Türkiye
- A Leading player in the industry with 3,727 MW with the most diverse generation composition



Largest contributor to electrification

- One of the largest investors in grid expansion, upgrading, and modernization
- Pioneer in the Digitization of all processes in the electricity value chain
- Operating the largest, fastest, and green Charging Station Network in Türkiye



Commitment to 100% Low Carbon Generation

- 1 out of every 3 solar and wind power plants will be realized by Enerjisa Üretim in the next 5 years
- %15 decrease in GHG intensity in 3 years with the ultimate aim to reach net zero before 2050



Shaping the New Energy World

- Türkiye's first green hydrogen manufacturing plant in a bid to address energy security and green energy transition simultaneously
- With a potential of green hydrogen export capacity to Europe



Helping Customers to Decarbonize

- Improving the efficiency of customers and helping them to decarbonize through our innovative and sustainable products under the umbrella of The Energy of My Business
- Trading 3rd parties' carbon and green power certificates
- 30% share in Sabancı Group's SDG-linked net sales revenues



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For Further Details

ir.sabanci.com

INVESTOR RELATIONS CONTACTS

Kerem TEZCAN

Investor Relations Director

Şule GENÇTÜRK KARDIÇALIOĞLU

Investor Relations Manage

Emine DALAN

Investor Relations Specialist

Hamza SÜMER

Investor Relations Specialist



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