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#### **ON STAGE TODAY**



Orhun KÖSTEM

Group Chief Financial Officer Sabancı Holding



Kıvanç ZAİMLER

Energy Strategic Business Unit President Sabancı Holding







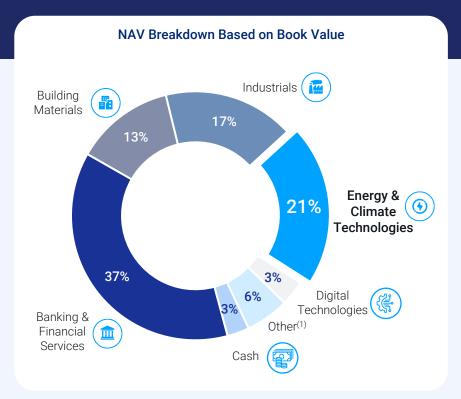
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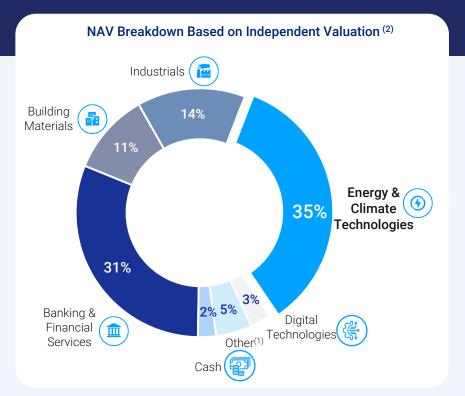
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Energy & Climate Technologies in Sabancı Group



#### Energy & Climate Technologies segment has the largest share in NAV





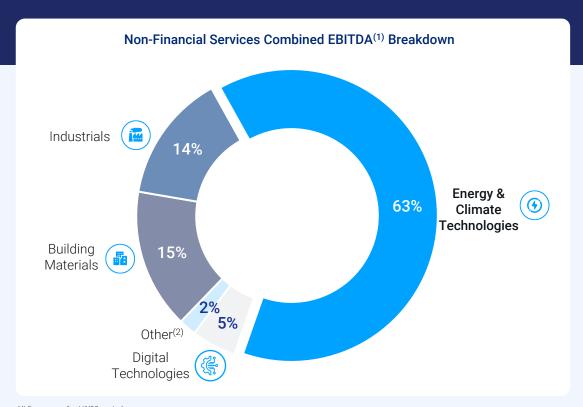


<sup>(1)</sup>Other includes Carrefoursa, Holding Solo, AEO, Tursa, Exsa.



<sup>(2)</sup> Value of Enerjisa Üretim was calculated USD 3.8bn in the EY report published on 21.06.2023.

#### Energy & Climate Technologies constitutes the majority of non-financial services combined EBITDA



Energy & Climate Technologies' Share in Non-Financial Services Combined EBITDA

Last 3 Years	Last 5 Years	Last 10 Years

**Net Debt / EBITDA** 

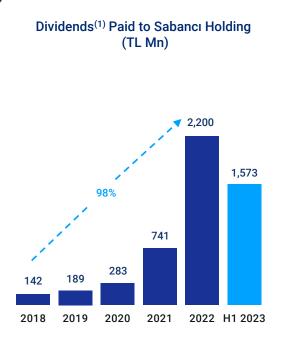
1.2x

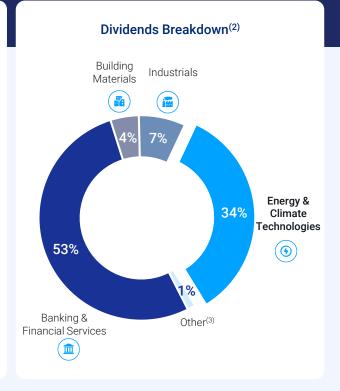
All figures are for H1'23 period. (1)Excludes non-operational and non-recurring one off items. (2)Other includes Carrefoursa, Holding Solo, AEO, Tursa, Exsa



#### Divergence to more balanced dividend inflow stream with a higher contribution from energy segment









<sup>(1)2022</sup> and H1 2023 dividend figures include advance dividend of the following year.

<sup>(2)</sup> Includes paid dividend for 2023, excludes advance dividend.

<sup>(3)</sup> Dividends paid to 50.6 million shares representing shar e buyback as of March 30, 2023.

#### We prioritize new economy to transform our portfolio for the future

#### **Energy & Climate Technologies**



Renewables



**E-mobility** 



**Energy Storage** 



Electrification



Digitalization



Green Hydrogen



























Energy & Climate
Technologies
Strategy & Roadmap





We are gearing towards a new strategic direction in energy: 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.





...in order to achieve the impossible in the "Energy Trilemma" with our clearly defined strategic targets for our energy companies...



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





Distribution & Retail

40% Sabancı Holding

40% E.ON

20% Free Float

**ENERJISA**ÜRETİM



**Generation & Trade** 

50% Sabancı Holding

50% E.ON





100% Sabancı Holding



#### ...by leveraging from our successful execution & well-balanced portfolio in Türkiye.



Distribution & Retail

14

Cities

22 mn

321,332 km

39.2 TWh

Sales (2022)

Network

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

14.6 TWh

5 Technologi 3.7 GW
Installed Capac

45.5%

Renewables (59% renewables in 2026\*)

28.5 TWh

rading (2022)



Renewable Energy
Generation in U.S.

) Investments in Climate Technologies Through Energy and Climate VC



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

Protect & Grow the Core

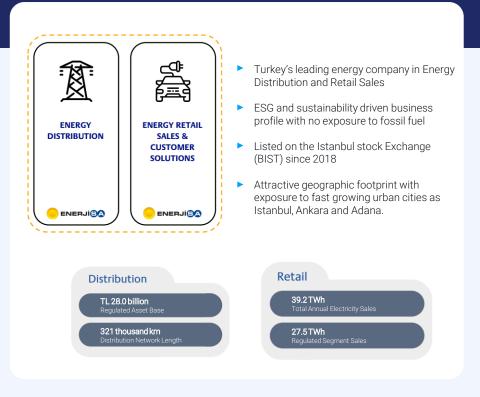
Adjacencies & Transform

- Optimize Retail Operations

- O Growth in Customer Solutions
  - Distributed Generation / Solar
  - Energy Efficiency & Decarbonization
  - E-mobility / E-charging Platform



...with its leader position in electricity distribution and retail, as well as its guaranteed earnings flow from regulated market incumbencies...







...and with the most extensive customer network in Türkiye, where the business transformed to a solution partner thanks to their technological competencies.





#### 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





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

Protect & Grow the Core

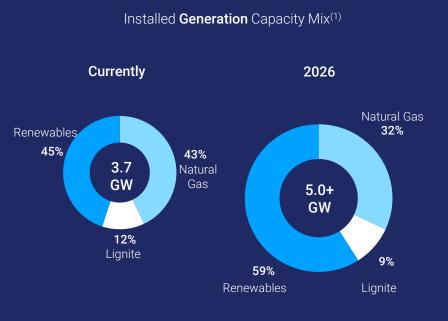
Solution
Growth in Renewable Generation Capacity

- **Output** Expand Digital & Energy Services

Adjacencies & Transform



#### ....consequently, a significant step towards +5000 MW installed capacity target has been taken...





Additional Capacity Growth Projects

01
Capacity increase in existing renewable power plants

02 M&A activities for additional renewable power plants

Generation licenses with energy storage

03

#### ...along with exploring new capabilities.

#### **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<sup>(1)</sup> and CESEE<sup>(2)</sup> 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.



(2) CESEE: Central-Eastern and Southeastern Europe

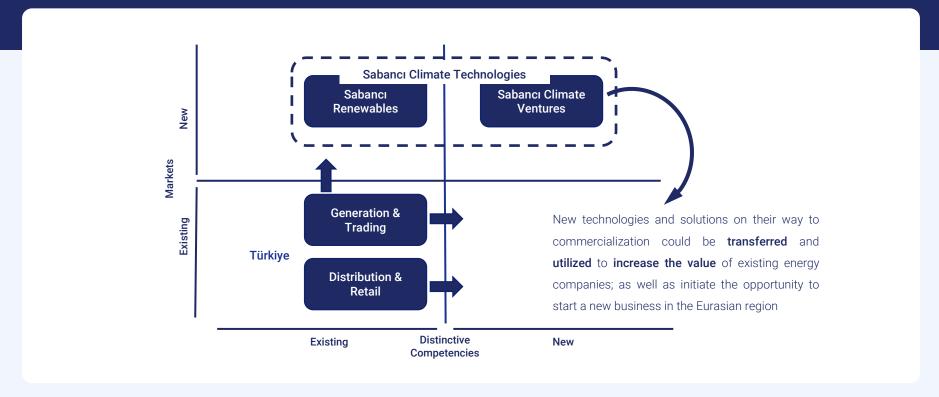


We are using our existing sector-leading competencies in Türkiye ...





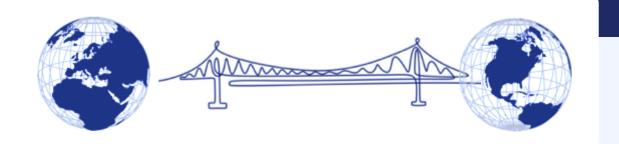
#### ...to transform Energy & Climate Technologies to pursue opportunities in "disruption & expansion abroad"





It is time to leverage core capabilities in the Türkiye & expand the business in international arena to create higher value for all stakeholders.

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



Sabancı Climate Venture Investments

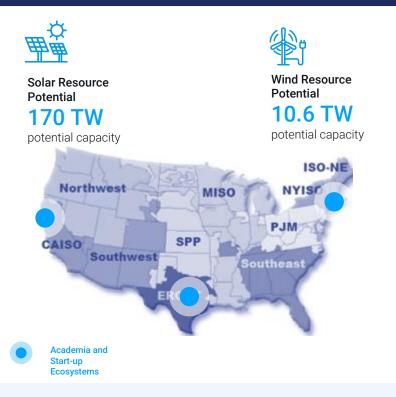
**Sabancı Climate Technologies,** wholly owned subsidiary of Sabancı Holding, will undertake renewable energy power plant investments and strategic investments in various venture capital funds and start-ups, primarily in the USA and Europe.

# Sabancı Renewables Focus Investment Areas On-shore wind Utility scale solar Battery storage 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 as peripheral location Distinctive Competency ► Early market penetration of startups in emerging markets



## USA 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

- USA is the 2<sup>nd</sup> largest renewable energy market following China. Around 100 GW of renewable capacity was installed in the USA 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**

- 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 reach 1000 MW of portfolio size by 2025 under Sabanci Renewables.



**Focused** Investment **Approach** 

**Target Geographies Target Technologies** 

On-shore wind

**ERCOT** 

Utility-scale solar

Battery storage

PJM

MISO

**Solid Business** Model for the Execution

EPC contract with a pioneer company

Highly credible PPA contracts

Financing partnerships with global banks

Tax equity partnership as incentive model of the USA



The first solar investment in Texas has been initiated, which offers a variety of opportunities for the future growth...



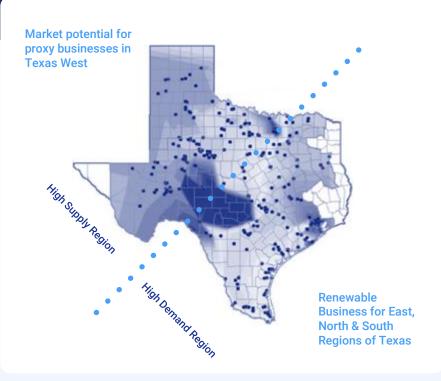


#### 272 MW Cutlass II Solar Power Plant Project

- 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



...and the second solar investment has also initiated in Texas, leveraging the know-how acquired during the initial solar project.



#### 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

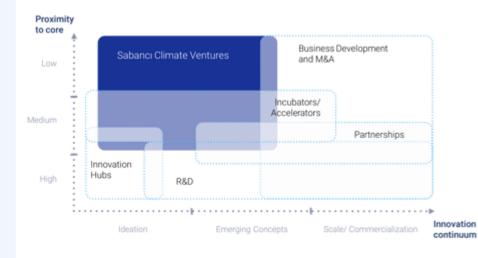
#### Solid Business Model for the Execution

- Project Acquisition: October'23
- EPC Agreement: October'23
- Construction Start (FNTP): Q1'24
- Commercial Operation Date: Q2'25
- 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

#### SAFAR PARTNERS

- 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

### QVISE

- 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 Tufanbeyli 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



#### Key takeaways

**01** Keep Growing in Türkiye

Expand Renewable

- Türkiye
- (>) USA

Customer Solutions

Renewable Generation

Distribution Network







02

New Energy

**Asset Base** 

- Sreen Hydrogen
- Olimate-tech Funds
- Start-ups

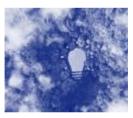






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New Energy & Climate Technologies













Meet SirA, Sabancı Holding's digital investor relations assistant!

Turkey's First Investor Relations Dedicated Assistant!

For Further Details

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Detailed
Financial
Results and
Presentations