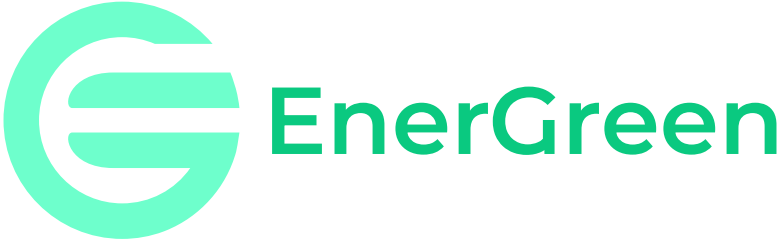
EnerGreen

The world's first token
backed by a power plant



Overview:

EnerGreen is the world's first blockchain-based solution for investing in renewable energy plants.

- Backed by real assets
- Based on currently operating renewable energy power-plants
- Stake & Earn: (20% APY for the first 6 months after the Initial DEX Offering (hereinafter "IDO"), then 12% APY)
- Additional Benefits
- Facilities insured against all types of natural disasters

Investors can take part in the EnerGreen project by purchasing tokens. Our energy plants generate renewable energy which is subsequently converted into recurring revenue. Investors who stake EnerGreen tokens (hereinafter "EGRN") will earn 20% APY for the first six months following the IDO, and 12% APY subsequently.

*In addition to yields from staking, additional benefits will be shared among the EnerGreen stakers each month based on the tier system.

1. OVERVIEW OF THE ENERGY MARKET

1.1. Challenges imposed by climate change

According to a landmark United Nations report, which is of a turning point nature, it has been found out that a paradigm shift is needed to limit the global temperature increase below 1,5°C. Drought, heat waves, floods, and poverty will get worse over the next 12 years, affecting millions all around the world if no action is taken.

The report emphasizes the need for quick-acting measures, now more than ever, that will bring about swift change.

Yet, there is a problem: although the cost of renewable energy has been gradually down and is projected to continue doing so, the ability of the majority of businesses to benefit from this transition remains constrained. Financial tools that are designed to make it possible for regular individuals and businesses to obtain renewable energy under the right circumstances are still far from adequate.

1.2. Green Energy Economy

Environmental preservation and a reduction in carbon emissions are the first things that come to mind when considering renewable energy. The cost of producing electricity from renewable sources, however, has dropped and will continue to fall below the cost of technologies based on fossil fuel, due to beneficial technological breakthroughs and practical financial conveniences. Therefore, it is clear that enhancing the use of renewable resources will be economically favorable and sustainable, as shown in global trends and supported by data.

Currently, there are 753.10 MW Licensed and 6,682.10 MW Unlicensed Solar Electric Utilities in Turkey, as reported by Turkish Electricity Transmission Corporation (hereinafter “TEIAS”) in August 2021. It is anticipated that this number will offer a minimum yearly growth of 1,500.00 MW through Renewable Energy Source Area (YEKA) bids, unlicensed investments, hybrid power plants, and power boost requests.

With new and existing investments, the costs of producing energy at solar power plants are variable. Feed-in Tariffs (FIT) of $0.133 per kWh are utilized by unlicensed renewable energy installations. Based on the quarterly Electric Pricing Lists released by EMRA (Energy Market Regulatory Authority), the distribution prices of power plants are 0.022 USD per kilowatt-hour (kWh). Also, there are two unique options for licensed investments: one involves sales at a price of 0.133 USD/kWh and the payment of a license fee; and the other involves selling energy at a price of 0.069 USD/kWh under the YEKA tender without the payment of a license fee. Nearly all of the licensed investments in this situation have either been completed or are in progress.

Renewable Facilities in Turkey no longer require a government purchase guarantee incentive, as is the case globally, and projects that can generate energy sales and market realization are nearing completion. The Renewable Energy Source Area tenders for Solar Power Plants ("SPP") and Wind Power Plants ("WPP") demonstrate the emergence of projects that can sell energy while still fulfilling their amortizations at rates significantly lower than the electricity prices on the free market. Furthermore, as a result of the recent technological advances in energy storage systems, renewable energy plants are among the best prospects to replace future peak power plants, reduce line losses, and address network instabilities (voltage, frequency, and reactance).

The threshold for switching to the Final Source Supply Price List was also lowered in accordance with Turkey's energy policy, first from 50 million kWh per year to 10 million kWh per year and then further to 3 million kWh per year in the final quarter of 2021, following the principle of "consume more and pay more." In other words, if a facility uses more than 3 million kWh of electricity annually, it will not qualify for the National Price List, which is less expensive, and instead will be charged according to the Final Source Supply Price List, which is costlier in the Day-Ahead Market and Day-In Market conditions. In this perspective, generating renewable energy in locations where demand is high has become a necessity rather than a lucrative investment for many companies in the current competitive environment. While the cost of specific equipment for Solar Power Plants (panels, inverters, etc.) is falling, efficiency is rising as a result of technical innovations. Novel technologies are being developed to deliver greater capacity in a smaller space and are quickly gaining traction in the market.

Specifically for Wind Power Plants, the entire machinery and equipment may now be manufactured on Turkish soil, mitigating the current technology gap and contributing to production through the energy collected from Turkey's outstanding wind potential. According to TEIAS data from August 2021, Turkey has 10,014.10 MW Licensed and 70.8 MW Unlicensed Wind Power Plants, many of which will soon have a Hybrid Plant configuration where the sun will serve as a backup supply in addition to the wind as the primary source of energy. Additionally, it is envisaged that these plants will be constructed as multi-source production facilities and energy storages.

Prior to the release of the new YEKDEM tariffs, the industry's installed capacity for Biomass Power Plants had just reached a substantial level. Energy prices for certified biomass power plants are $0.013 per kilowatt-hour, while earnings from waste disposal can account for up to 40% of their overall revenue. Turkey has 1,429.70 MW of licensed biomass power plants and 85.90 MW of unlicensed biomass power plants, as per the above-mentioned TEIAS data from August 2021.

The revenue forecast of these plants may incorporate multiple streams of revenue, including waste disposal, energy generation, greenhouse development utilizing waste heat, and fertilizer manufacturing. This type of investment, especially in our region, has the most potential for reaching the sustainability and zero-carbon targets.

Given that they provide a variety of revenues and monetization alternatives, these plants rank among the most desirable investments in terms of long-term viability. Although the countries in the region have tremendous potential for waste management, their current methods—such as the most often utilized landfills—are barely sustainable, necessitating the development of integrated waste management systems by both local and central authorities. Turkey will soon see the expansion of integrated waste management and disposal plants, particularly in major cities like Istanbul and Ankara, where the initial and main phase installations have already been completed. This is due to the fact that both landfill facilities have lost their operational appeal since their income from Renewable Energy Resources Support Mechanism ("YEKDEM") ceased (as the 10-year period expired); and because environmental policies mandated by ratified international agreements made this necessary. Implementation prices have diminished substantially and continue to fall compared to the industry's inception while more domestic production of machinery and equipment has substituted imports. Moreover, engineering know-how has evolved since the initial construction of facilities.

Consequently, the installation expenses of alternative production units such as solar, wind, hydro, and bio-energy decrease, while their efficiency soars; whereas the infrastructure costs of fossil-based power generation facilities keep rising proportionally to the price of the raw materials on which they rely.

1.3. Ways to purchase clean energy

Due to the constantly declining cost of renewable energy, numerous organizations now purchase their electricity directly from renewable energy projects under Power Purchase Agreements ("PPA"). Throughout the past decade, the Corporate PPA procurement approach has multiplied by 36.

Yet, corporate PPAs are technically and commercially complex and exist in a number of forms, resulting in lengthy delivery periods and significant transaction costs. Hence, this technique has benefited only huge firms. The two fundamental forms of PPAs are the "standard" PPA, which allows the provider to supply energy to the buyer, and the "virtual" PPA, which is a financial agreement based on the producer's power output without forcing the buyer to purchase electricity from the producer.

1.4. Transparency and Sustainability

In addition, the lack of openness in the energy sector inhibits small consumers from negotiating directly with producers. Generally, a broker serves as a go-between, purchasing power from the producer at a discount and reselling it to the end user at a much higher rate, thereby benefitting enormously from a situation that is unfavorable to both sides. The entire process is impenetrable to both customers and producers, with only intermediaries having access to information. This commercial framework is obviously unsustainable, and there is a significant market demand for software and apps that enable real-time tracking of the generated electricity and transparent, long-term allocation of customers' purchasing power under bilateral agreements.

2. ENERGREEN

2.1. Purpose:

Innovations in the energy sector are required as everyone needs access to climate-friendly, secure, and affordable energy sources. The transition to renewable energies for the sake of progressive digitalization represents a huge opportunity to challenge the status quo. To yet, it's been exceedingly difficult for individuals or private households to have a significant impact on the energy market's convoluted and opaque structure.

This is where blockchain technology enters the picture: it redesigns the entire process while promoting further decentralization and democratization of the power supply. EnerGreen wishes to develop a blockchain-based initiative to enable everyone to take part in the production of clean energy from wind turbines, solar panels, and biomass installations; allowing individuals to join the venture on the basis of a co-ownership model, as embodied by blockchain technology.

We believe that individuals desire to be at the forefront of the energy revolution while also financially benefit from it. Nonetheless, authorities and current market arrangements typically retain higher starting figures. In contrast, as users' faith in large companies wanes, they tend to make bolder claims about taking a greater initiative. EnerGreen's blockchain ecosystem has been designed with this objective in mind, making it simpler for anyone to participate in and profit from the green energy revolution.

2.2. Paris Agreement:

The agreement seeks to limit the long-term increase in global temperature brought on by human-caused greenhouse gas emissions to 2 degrees Celsius over pre-industrial levels, while highlighting the benefit of achieving the more challenging but preferable target of 1.5 degrees. The Paris Climate Agreement also states that countries' contributions to the effort to combat climate change should be based on the concept of "common but differentiated responsibilities and relative abilities."

EnerGreen utilizes carbon-neutral alternative energy production techniques in an effort to support the Paris Climate Agreement.

2.3. EnerGreen:

Climate change is one of the world's most pressing challenges, which EnerGreen strives to address. EnerGreen has created a cutting-edge blockchain-based solution for building energy generation and storage facilities that utilize renewable energy sources recognized by the European Union, such as wind, sun, and biomass. We hope to guide humanity toward a more sustainable and clean energy future through the EnerGreen project, which will soon be made public through an Initial DEX and/or CEX Offering (final decision to be made by Energreen).

Our team has broad experience in offering innovative risk transfer solutions upon request in order to satisfy the dynamic requirements of the renewable energy industry. We aim at erecting renewable energy plants including but not limited to Wind, Solar and Biomass through blockchain for clean energy generation and a sustainable future. The primary goal of the project is to raise funds for existing renewable energy power plants through an Initial DEX (IDO) and/or CEX Offering. New funds will also be used in the future to install new ones.

- ***Guaranteed revenue from day one***

Due to the fact that our facility is already up and running, there will be no construction phase to anticipate. As a result, EnerGreen will start off profitable as guaranteed by its long-term energy trade contracts.

- ***Staking***

For the first six months following the IDO (or IEO), token stakers will earn an annual percentage yield (APY) of 20%. The APY will then be applied as 12%.

- ***Additional Benefits***

In addition to the yields from staking, additional benefits from our facilities are shared between EnerGreen stakers every month. The reward amount depends on the tier system. Investors have to commit to participating after staking tokens.

- ***Proof-of-Investment***

EnerGreen, unlike the vast majority of cryptocurrencies, will only issue a predetermined quantity of tokens and will never generate additional tokens out of thin air, therefore avoiding inflation. Long-term token sales will also finance the development of, or investment in power infrastructure, thereby contributing to the prevention of the climate crisis.

- ***Insured***

EnerGreen's renewable energy facilities are insured against all known force majeure events.

- ***Complete Transparency***

We adopted the blockchain technology for a reason. Every phase of the investment cycle, including production, deployment, staking, and monthly additional benefits, will be completely transparent. EnerGreen's Know Your Customer (KYC) policy and Anti-Money Laundering (AML) screening will be implemented via Blockpass in order to verify the legitimacy of stakers and transactions. Blockpass is a reputable solution provider that offers identity document authentication for KYC and AML procedures.

2.4. Our Facility

The initial token offering funds will be used to fund the Konya Selçuklu Solar Power Plant facility.

Konya Aksehir Solar Power Plant

Installed Capacity:

4.4 mW

Plant	:	**Konya Selçuklu Solar Power Plant**
Location	:	**Selçuklu / Konya / Turkey**
License Number	:	**80010264-265-266-267**
Parcel area	:	**112,825 m^2**
Number of employees at the plant	:	**6**
Expected Revenue (Monthly)	:	**$ 72,000**
Operating expenses	:	**$ 30,000**
Additional benefits to be airdropped (Monthly)	:	**$ 42,000**

3. TOKENOMICS

3.1. Token

The Ethereum network will be the backbone for the EGRN token, which will be operated via smart contracts. Fueled by EGRN, the EnerGreen Ecosystem will facilitate the production of clean and cost-effective energy. The EnerGreen Ecosystem will fulfill the following:

- Use blockchain technology for governance and consumer protection
- Enable users to access to the platform;
- Generate yields for stakers;
- Distribute monthly additional benefits in accordance with the tiered structure;
- Donate to and network with charity associations.

3.2. Token Sale

Private Sale Round 1 ended on 01.08.2022

Private Sale Round 2 ended on 01.04.2023

Public Sale (IDO) will start on 2023 Q2

Exchange listing will start on 2023 Q2

The IDO is not open to any participation from nations that are on the “OFAC Sanction List” in the category of Prohibited Jurisdictions (such as Canada, the United States, Iran, Bolivia, and Cambodia).

Private Sale Round 1

Price:

$ 0.35

700,787 EnerGreen Tokens
0.35% of the total supply

SOLD OUT

Private Sale Round 2

Price:

$ 0.40

800,000 EnerGreen Tokens
0.40% of the total supply

SOLD OUT

Public Sale IDO

Price:

$ 0.50

1,000,000 EnerGreen Tokens
0.50% of the total supply

2023 Q2

Exchange Listing

Price:

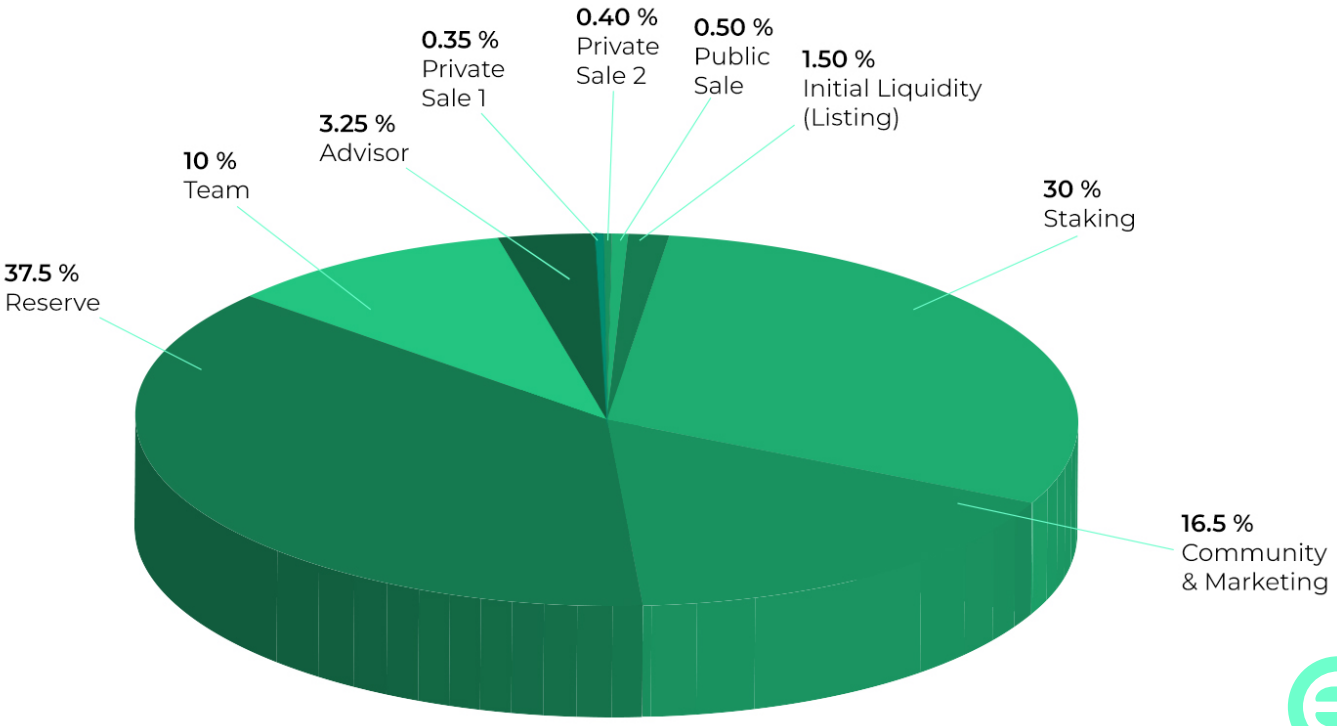
$ 0.50

3,000,000 EnerGreen Tokens
1.50% of the total supply

2023 Q2

3.3. Allocation

The pie chart below illustrates the allocation of funds raised during the crowdsale. Please note that Energreen token will be audited by a trustworthy company.



PRIVATE SALE ROUND 1

Share of the total supply : 0.35%
Lock Period : 5% is released at TGE.
The remaining is locked for 9 months.
Vesting : 7.5% per month, starting month 10.

PRIVATE SALE ROUND 2

Share of the total supply : 0.40%
Lock Period : 5% is released at TGE.
The remaining is locked for 8 months.
Vesting : 7.5% per month, starting month 9.

PUBLIC SALE (IDO)

Share of the total supply : 0.50%
Lock Period : 8% is released at TGE.
The remaining is locked for a month.
Vesting : 2% per week, starting month 2.

INITIAL LIQUIDITY

Share of the total supply : 1.50%
Vesting : 100% released at TGE.

STAKE

Share of the total supply : 30%
Vesting : Loyalty for price stability.
First 6 months 20% then fixed APY 12%.
Released according to staked amounts.

RESERVE

Share of the total supply : 37.5%
Lock Period : 12 months.
Vesting : 0.5 % released per month starting month 13
and kept in the reserve for new investments.

TEAM

Share of the total supply : 10%
Lock Period : 12 months
Vesting : Linearly released in 96 months,
starting month 13.

ADVISORS

Share of the total supply : 3.25%
Lock Period : 12 months
Vesting : Linearly released in 48 months,
starting month 13.

COMMUNITY & MARKETING

Share of the total supply : 16.5%
Vesting : 0.75% released per month and partially used
based on the marketing plan.

3.4. Staking & Additional Benefits

Investors who stake their EnerGreen tokens earn 20% APY for the first 6 months, thereafter, earn 12% APY. In addition to the 20% or 12% APY on staking, additional benefits from our facilities are shared between EnerGreen stakers every month. The reward amount depends on the tier system. After staking your tokens you have to commit to earn additional benefits.

Tier 1

Minimum Staking Requirements

0.1

Energreen Tokens

Staking Reward:

20% APY For the first 6 months after the IDO

12% APY For the following months.

\+

10% of the additional benefits are reserved for this pool. Total benefits per month for this pool is 4,200 USDT.

Tier 2

Minimum Staking Requirements

1,000

Energreen Tokens

Staking Reward:

20% APY For the first 6 months after the IDO

12% APY For the following months.

\+

15% of the additional benefits are reserved for this pool. Total benefits per month for this pool is 6,300 USDT.

Tier 3

Minimum Staking Requirements

3,000

Energreen Tokens

Staking Reward:

20% APY For the first 6 months after the IDO

12% APY For the following months.

\+

20% of the additional benefits are reserved for this pool. Total benefits per month for this pool is 8,400 USDT.

Tier 4

Minimum Staking Requirements

6,000

Energreen Tokens

Staking Reward:

20% APY For the first 6 months after the IDO

12% APY For the following months.

\+

25% of the additional benefits are reserved for this pool. Total benefits per month for this pool is 10,500 USDT.

Tier 5

Minimum Staking Requirements

10,000

Energreen Tokens

Staking Reward:

20% APY For the first 6 months after the IDO

12% APY For the following months.

\+

30% of the additional benefits are reserved for this pool. Total benefits per month for this pool is 12,600 USDT.

4. ROADMAP:

2021

- Ideation Phase
- Market Research
- Team formation
- Litepaper preparations

2022 H1

- Web development
- Legal team formation
- Litepaper release
- Private Sale Round 1
- Initiation & finalization of legal procedures
- Smart contract development
- Whitepaper preparations
- Marketing & communications strategy development

2022 Q4

- Private Sale Round 2
- Website launch
- Improvement of available listing options
- Whitepaper release

2023 Q1

- Launch of public relations and advertising campaigns

2023 Q2

- Public sale (IDO)
- TGE
- Activation of the staking option
- Greater emphasis on public relations and advertising campaigns
- New facility investment

5. MARKETING

To expand our existing EnerGreen user base, we will use a variety of marketing channels in line with our objective of spotting potential investors and converting them into EnerGreen platform users. Following is a description of the marketing channels that will be utilized and how each will be implemented. It should also be highlighted that reward programs will be an integral component of our marketing strategy and will be publicized across all means.

Screen Commercials

Our expertise in this field enables us to set up an internal media purchasing process for a proper use of multiple advertising networks. By creating high-conversion funnels with unique thematic landing pages, we hope to draw in new leads through cost-effective adverts tailored to each target group.

Sales Partnership

We hope to develop collaborations with a wide range of partnership networks by leveraging the skills and connections of our founders and team members.

E-mail Marketing

To boost the conversion rate of the prospects identified through other marketing channels, we will also use email marketing. Their email addresses will be acquired through a video advertising and a bulletin. Not only will emails be used to maintain regular contact with prospects and investors, but also to keep them up-to-date on the project.

Social Media Marketing

EnerGreen will expand its social media presence beyond Facebook and Twitter to include energy-related forums on Reddit and other websites. Moreover, our group moderators will frequently check Telegram to ensure prompt responses to any queries.

Forums

The EnerGreen IDO thread in Bitcointalk will be continuously kept active and further improved by our moderators, giving the community more justification to use the platform.

Marketing Strategy

We are also committed to providing free added value to society through the use of all the aforementioned channels, as well as any valuable content that encourages individuals to minimize their energy consumption, instructs potential investors about current opportunities, and shares with them insights from the energy industry.

6. TEAM

Our team has created and managed more than 10 power plants and has over ten years of experience in the energy sector.

(With installed capacity of over 100 MW)

Tarkan Özballar

- CEO

Born in 1973 in Germany, Tarkan received his education in Germany and the Netherlands, and earned his MBA degree in the UK. He worked as a Manager of Corporate Communications for multinational corporations.

Oğuzhan Yılmaz

- Marketing Communications Manager

He has been supervising campaigns on a national and international scale for many years. He has worked in the advertising sector for almost a decade before launching Turkey's first offline cryptocurrency ads. Currently serving as a marketing consultant for three distinct blockchain and web 3.0 initiatives.

Bestenaz Süllü

- Marketing

She received her diplomas from the Izmir Atatürk High School in 2008 and the Economics and Finance Department at Dogus University in 2013, respectively. She wrote her dissertation on "Technical Analysis Rules, Formulating and System Testing". At Ozyegin University, she obtained a master's degree in Financial Engineering and Risk Management (FERM), focusing on "The Effects of the USA on the Turkish Stock Exchange During the Disclosure of Macroeconomic Data" for her quantitative graduation thesis. Her career, which she began in 2013, saw her work for Gedik Investment Equities Department for 3 years in management and Integral Investment Forex for 4.5 years.

Anıl Özyıldız

- Engineer

He managed global investments in electrical infrastructure for many years. After more than seven years of engineering experience, he launched the first cryptocurrency campaigns in Turkey. Currently employed as a director of an engineering firm and in charge of digitalization projects.

Abdullah Ozsahin

- Lawyer

Ozsahin, the founder of Ozsahin & Legal, earned an LL.M. from the University of Wales in the United Kingdom.

Ozsahin has 15 years of experience representing domestic and international clients in a variety of legal matters regarding aviation law, energy law, maritime trade law, and corporate law, as well as managing STO and IPO projects. In addition, he provides clients with counsel on IT law, e-sports law, blockchain law, and cryptocurrency law.

Ozsahin served as a partner, director of legal and compliance affairs, and attorney at law for a number of national and international law firms. Furthermore, Ozsahin has served as a board member and director for a number of multinational corporations, such as Panasonic and Thyssenkrupp AG.

In addition to advising his clients on complex international accreditation procedures in the aviation industry, code-sharing flight agreements, agency agreements, and agreements with various service providers such as fuel supply companies, ground handlers, and other operators, Ozsahin has represented countless corporations, service providers, and infrastructure companies in various complex and transnational disputes for years.

Bileşke Bağımsız Denetim

- Audit

Established in the public interest of all parties involved in independent and private audit of businesses in accordance with the standards established by the prominent professional associations and regulatory public authorities, its founders have more than 30 years of experience in the industry and possess both national and international application expertise. They provide accounting consulting, corporate finance, independent auditing, tax management, and company valuation.

7. IMPORTANT LINKS & SUPPORT

Feel free to contact us for further information.
Also follow us on social media for latest updates.

- Website: www.energreen.io
- Telegram: t.me/energreen
- Medium: medium.com/@energreen
- Twitter: twitter.com/energreen.io

EnerGreen