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AÇIQ SƏHMDAR CƏMİYYƏTİ

SMART ENERGY
SERVICES

PRESENTATION

ABOUT THE COMPANY

- Our company was established in 2018 and has been actively collaborating with the national power utility, OJSC "Azerİşıq", in the development of energy infrastructure projects across all regions of the Republic of Azerbaijan.
- We have extensive experience in the following areas:
- construction of open and closed-type distribution substations (35–110 kV);
- installation of high-voltage power transmission lines (35–110–220–330 kV);
- construction of low-voltage power lines (0.4 kV) to end-users, including the installation of metering units;
- participation in the reconstruction and development of combined heat and power plants (CHPPs) in partnership with industry stakeholders.
- For more information about our company, please visit our official website: www.smartenergyservices.az

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SMART ENERGY
SERVICES

ELECTRICAL NETWORK PROBLEMS MODERN SOLUTIONS

Transmission and Distribution Network

Power Generation Sources

Demand Response Systems

Energy Storage Systems

Electric Vehicle (EV) Infrastructure

Smart Meters

Microgrids

Cybersecurity and Data Protection

Sensors and Monitoring Devices

Communication and Control Systems

Distributed Energy Resources (DERs)

Advanced Analytics and Machine Learning

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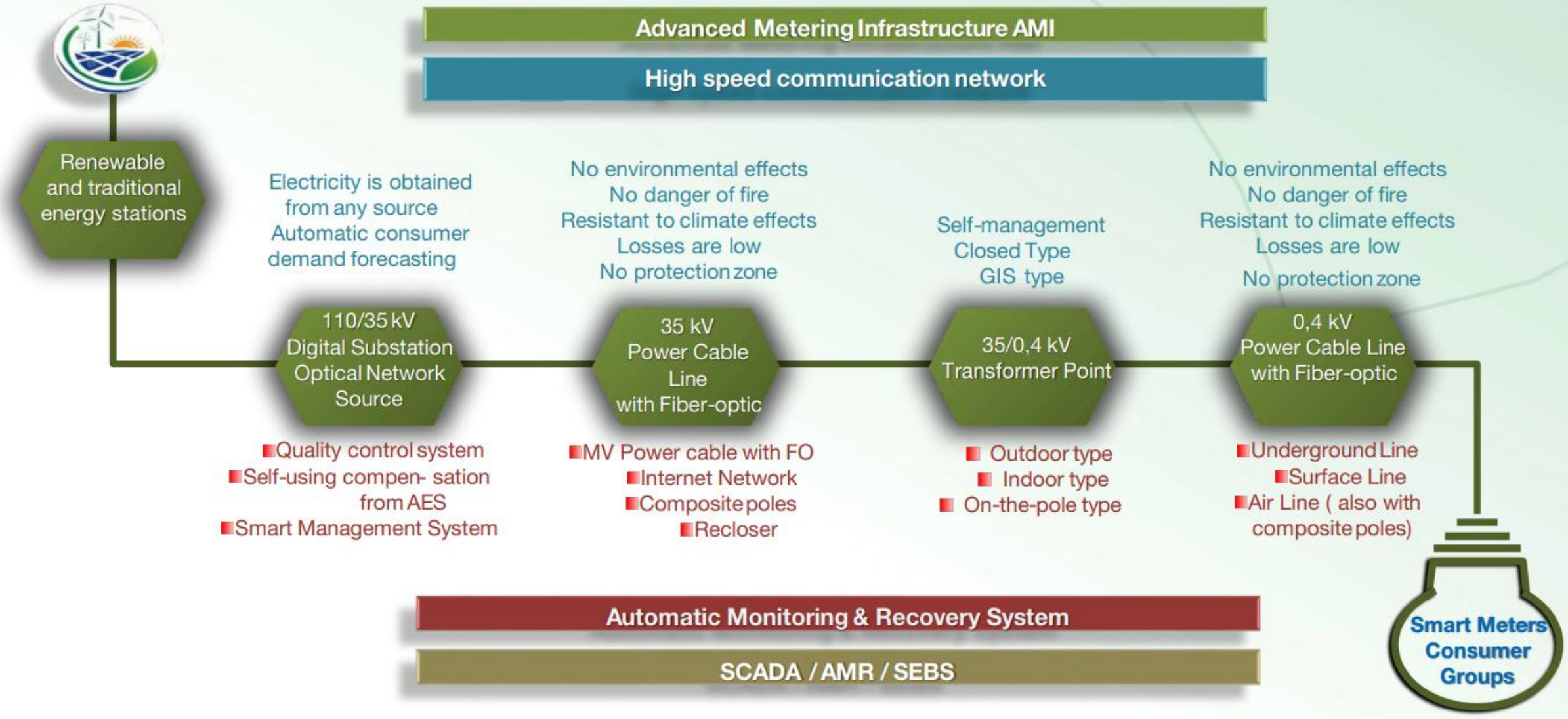
SMART ENERGY
SERVICES

PROBLEM SOLVING: MODERN CHALLENGES OF DG

What problems of Electric Grids can be solved by Smart Grid?

- Enhancing Energy Efficiency and Reducing Losses
- Integration of Renewable Energy Sources
- Improving Grid Reliability and Reducing Outages
- Supporting Economic Development and Industrialization
- Enabling Electric Vehicle (EV) Infrastructure
- Real-Time Data and Consumer Empowerment
- Energy Security and Resilience
- Reducing Carbon Emissions and Environmental Impact
- Supporting National Energy Strategy and Policy Goals

AZERISHIQ OJSC 35/0.4 KV GREEN SMART GRID MODEL FOR GEZ



AZERISHIQ OJSC 35/0.4 KV GREEN SMART GRID MODEL FOR GEZ

PROFIT OBTAINED AS A RESULT OF THE TRANSITION TO A 35/0.4 KV TWO-LEVEL SUPPLY SCHEME

- **The volume of repair and operation is reduced** - the volume of technical and organizational work required for the 10kV voltage class is reduced;
- **The possibility of applying smart network elements** and the reduction of operative operations - the costs of switching to the digitalization and intelligent control points and system are reduced;
- **Reduction of the number of breakdowns and the recovery period - 53%**
- **Increasing the gas export potential** of the republic due to the saved electric energy
- **Improving the ecological environment** due to the reduction of carbon dioxide
- **Return of additional plots of land (aprx. 63 thousand Hectare)** to the national economy;
- **Reduction of reactive energy demand** (additional losses) **due to 20%** reduction of transformers;
- **Maintaining SAIDI/SAIFI quality indicators** within normative limits with the application of reclosers.

Digital Substation in Fuzuli region

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SERVICES

AZERISHIQ OJSC 35/0.4 KV
GREEN SMART GRID MODEL FOR GEZ

İmplementation advantages' of Digital Substation by "Azerishig" OJSC

Digital Substation Benefits	Reduce CAPEX	Reduce OPEX	Reduce TCO	Investment Security	Asset productivity	Adopt new business models	Avoid outages	Reduce outage times	Avoid human errors	Quality assurance	Privacy and security of data	Time to operation	Regulatory compliance	Environmental impact	Standardization
Station Level	✓		✓	✓								✓		✓	✓
Process Level	✓		✓	✓								✓			✓
Cyber Security		✓		✓			✓				✓		✓		
Asset Management	✓	✓	✓		✓	✓	✓			✓		✓			
Grid Operation						✓	✓	✓	✓				✓		
Integrated Engineering			✓	✓		✓			✓	✓		✓			✓

The development of digital substations is being driven by digital technology, communications, and standards. With a digital substation, non-conventional instrument transformers employing digitalized sensor technologies will take the place of traditional measurement devices like voltage and current transformers (VT/CTs). As a result, it will decrease the cost of integration Renewable Energy Sources to distribution grid.

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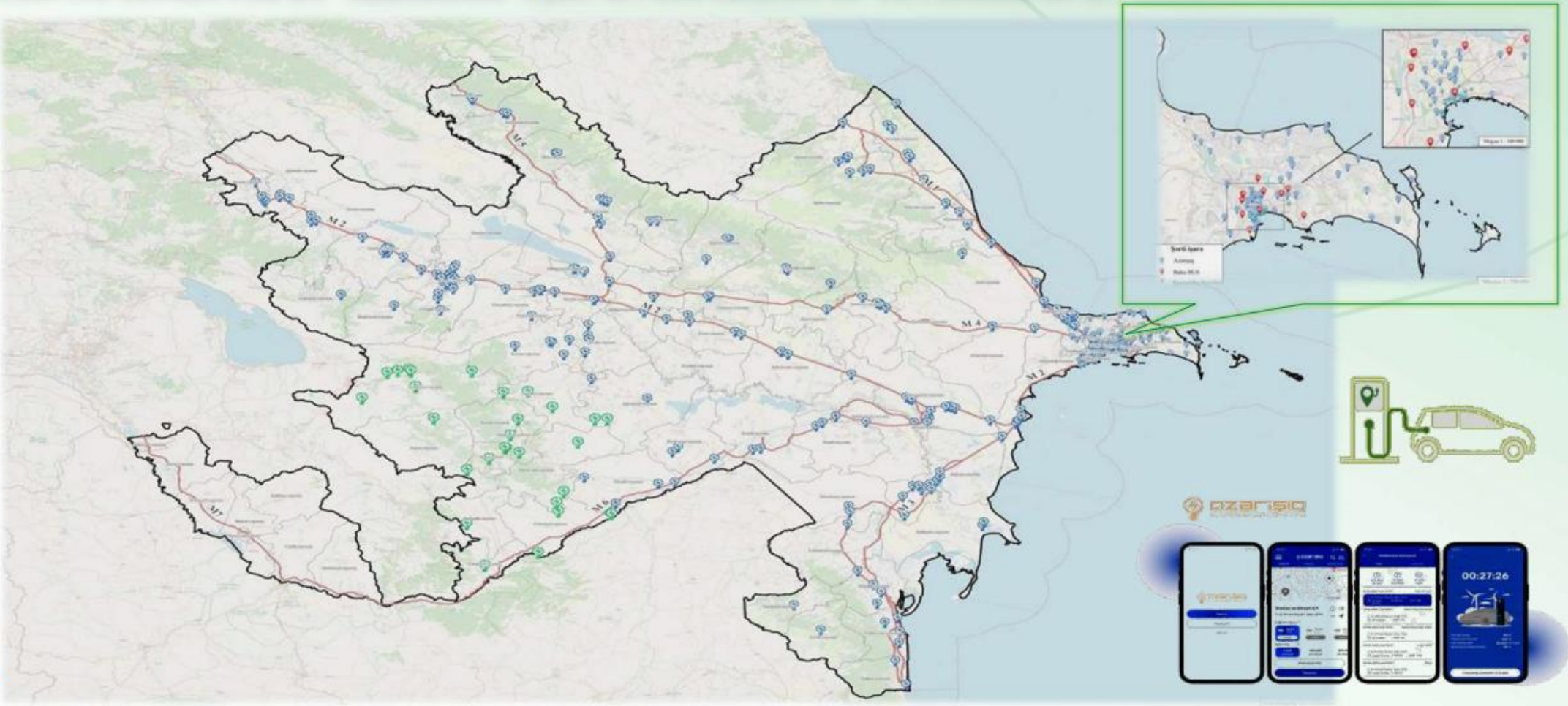
OJSC'S EV STRATEGY

WORKS IMPLEMENTED BY "AZERISHIG" OJSC ON EXPANSION OF COVERAGE OF EV-CHARGING STATIONS

The required power for EV-charge stations:
Up to 2030y. more than 430 MW

The number of charging stations to be installed in Baku and its surrounding areas, highways and regional areas
During 2023-2024y. more than – 250 ChS



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SMART ENERGY
SERVICES

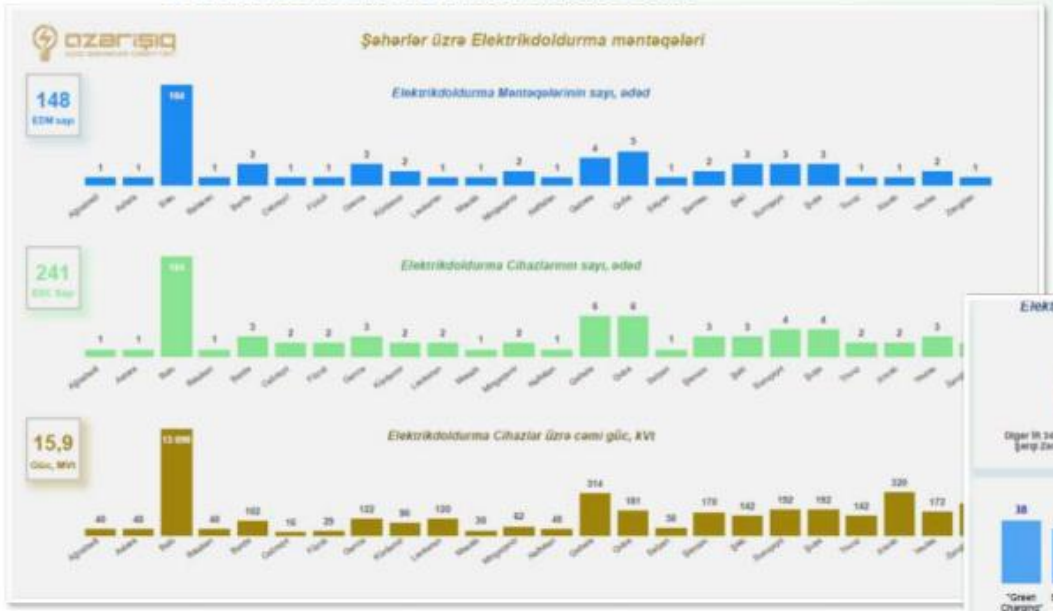
OJSC'S EV STRATEGY

WORKS IMPLEMENTED BY "AZERISHIG" OJSC ON EXPANSION OF COVERAGE OF EV-CHARGING STATIONS

CONTROL OVER TECHNOLOGICAL CONNECTION TO THE NETWORK

ON-LINE

ENERGY CONSUMPTION CONTROL



MONITORING SYSTEM EV-CHARGE STATIONS

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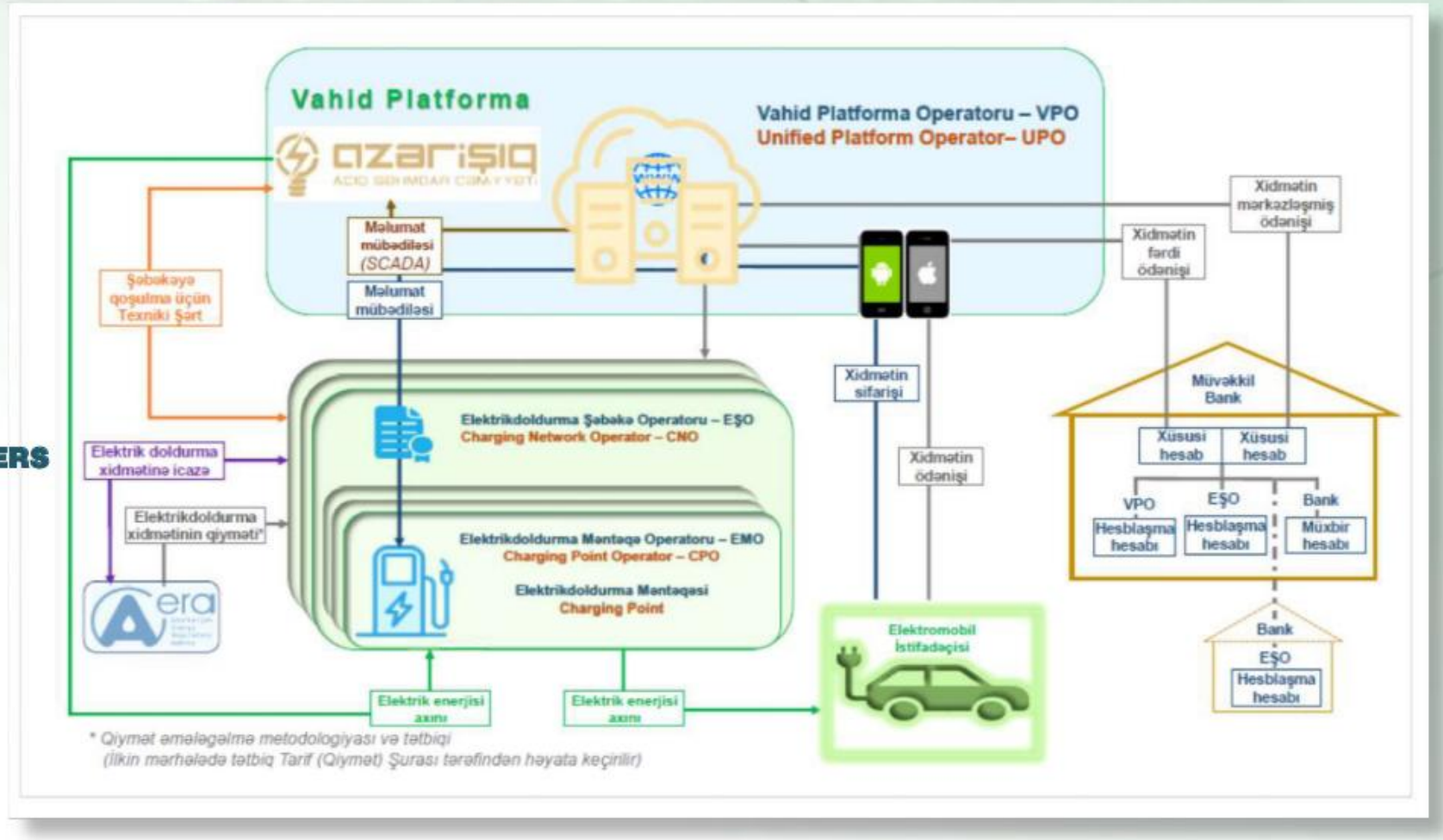
SMART ENERGY
SERVICES

OJSC'S EV STRATEGY

WORKS IMPLEMENTED BY "AZERISHIG" OJSC ON EXPANSION OF COVERAGE OF EV-CHARGING STATIONS

UNIFIED PLATFORM FOR ELECTRIC MOBILITY OF "AZERISHIG" OJSC INCLUDES:

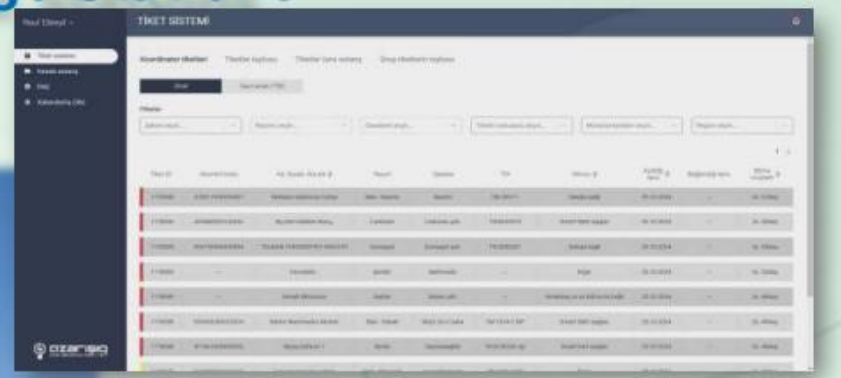
- A SINGLE NETWORK OPERATOR
- ALL SOFTWARE OF DIFFERENT MANUFACTURERS
- ALL CHARGING STATION OPERATORS
- MONITORING OF POWER FLOW
- ENERGY BALANCE MANAGEMENT



OJSC'S EV STRATEGY

Digital Management System of EV-Charge Stations

EXPAZ Software Control System



Azerishiq Call Center

AMS- Automatic Management Syste

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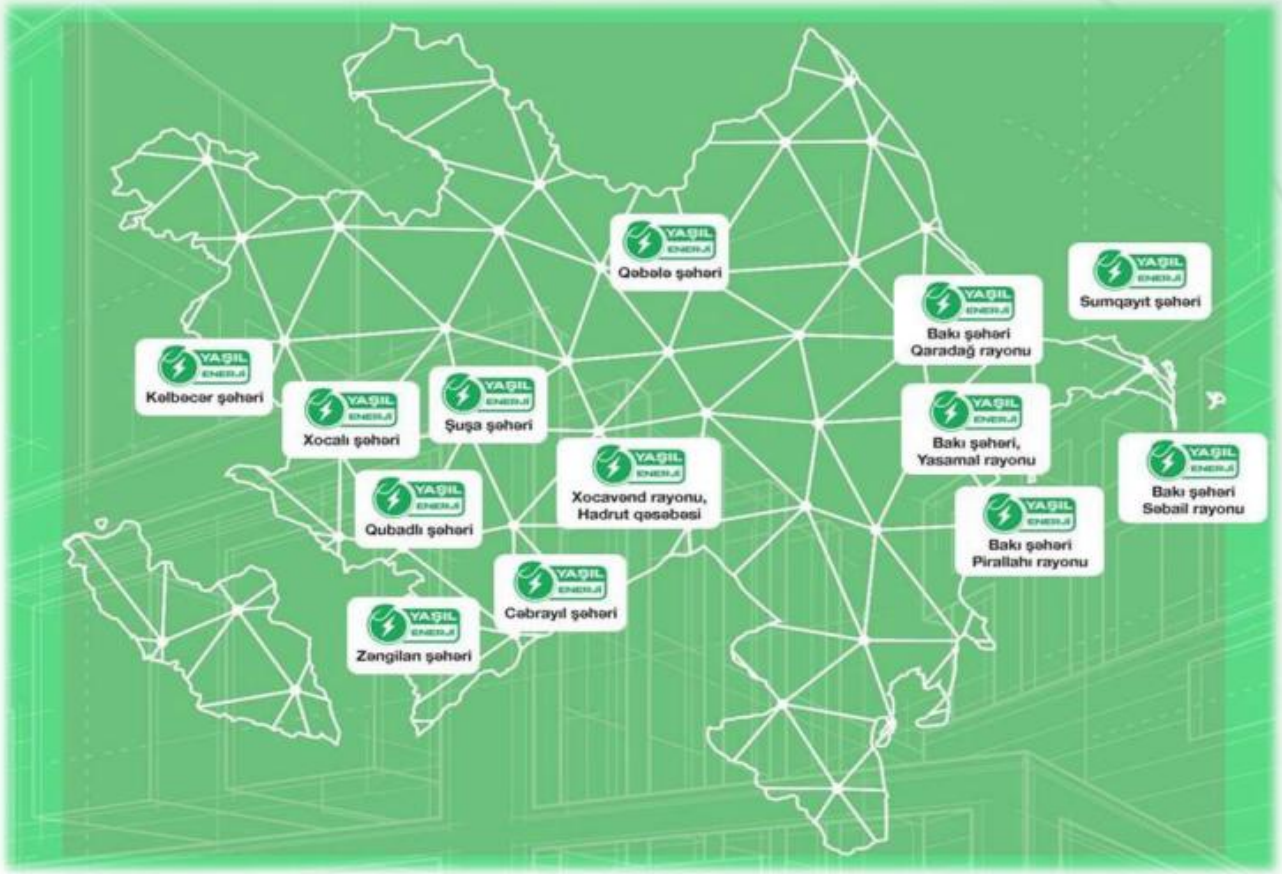
SMART ENERGY
SERVICES

IMPLEMENTATION OF GREEN ENERGY SOURCES

The annual micro-SESproduction of the one substation' roof is **40,000 kW**

Allows for the energy supply of **1,150 electromobile** or

24,000 tons of CO2 emissionsare reduced



48 mln. kilowatts of electricity, **12 mln. cubic m** of natural gas is saved

23 thousand tons of hydrocarbon fuel are saved

53.8 thousand tons of carbon emissionsare prevented

By 2030 this indicator will reach 430 thousand tons, which will positively affect the country's target of 35% reduction of greenhouse gas emissions under the Paris

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SMART ENERGY
SERVICES

IMPLEMENTATION OF GREEN ENERGY TECHNOLOGIES

ANNUAL COSTSOF IMPLEMENTINGA DRONE MONITORING SYSTEMIN DG

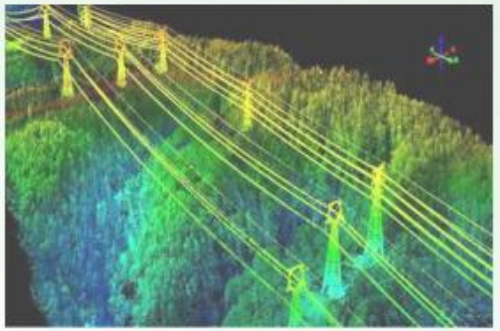
- Annual savings Natural gas - *6,6 mln m³*
- Avoided CO_2 emissions - *8 000 ton*
- Annual energy savings - *16 mln kWh*

If there are 100 meters separating the 35 kV OHPL supports, then special equipment needs to be installed and assembled at least ten times, and service staff needs to perform take-off and drop-off movements in order to inspect 1 km of the line. In this case, the average time needed for inspection and preventive inspection of 1 km of OH HVPL is 90 minutes (1 hour 30 minutes) when other functional execution times

Using drone technology, the same process can be done in just 15-20 minutes.

At the same time:

- no need to turn off the power
- - no need for operational dispatch actions
- online transmission of information to respondents about the presence of defects
- full automation of the preventive inspection process



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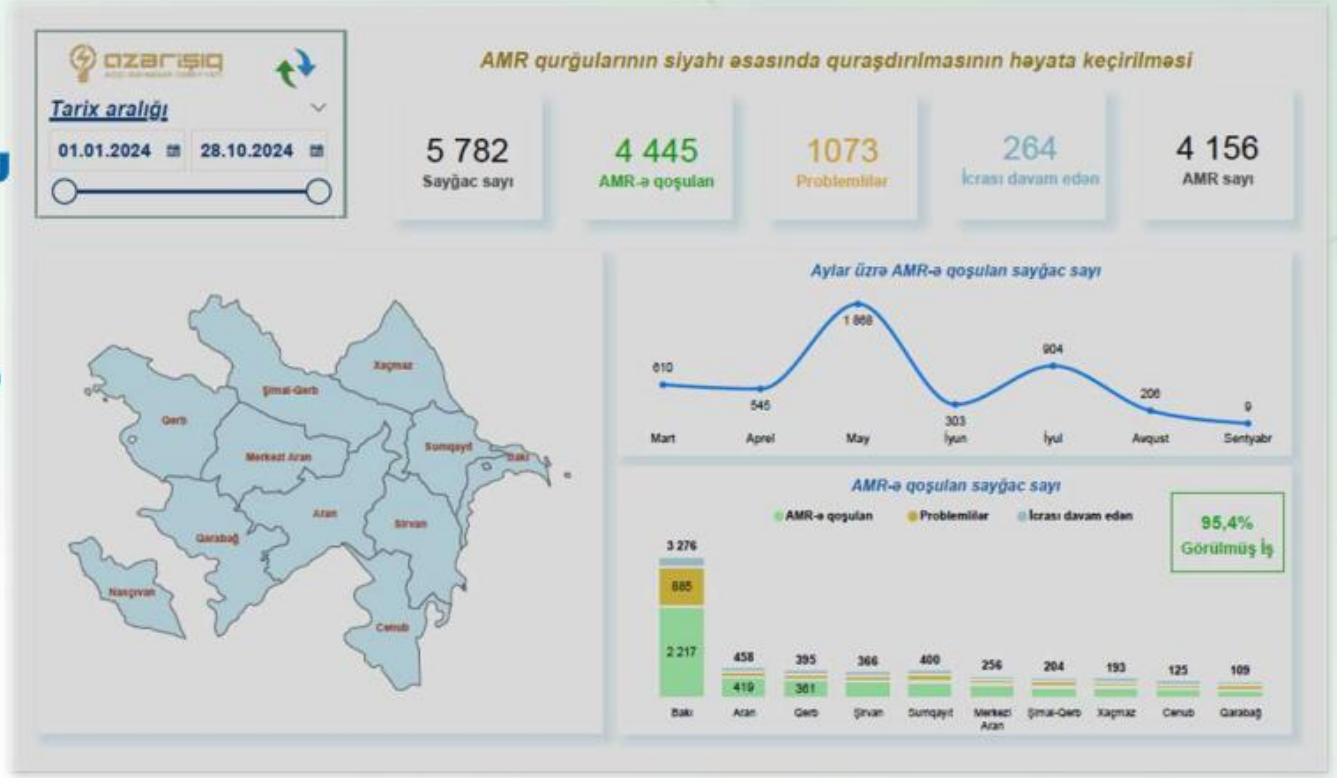
SMART ENERGY
SERVICES

IMPLEMENTATION OF GREEN ENERGY TECHNOLOGIES

AMR - AUTOMATIC METER READING

AUTOMATIC METER READING SYSTEM COVERS BAKU AND ALL REGIONS OF THE COUNTRY

- MORE THAN 4,400DEVICES INSTALLED
- MORE THAN 5 ,500ENERGY BALANCE METERS INSTALLED
- THE SYSTEM IS INTEGRATED INTO SCADA AND SK-11 *(CONTROL SYSTEM FOR 0.4 KV NETWORKS)*



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SMART ENERGY
SERVICES

IMPLEMENTATION OF GREEN ENERGY TECHNOLOGIES

IMPLEMENTATION OF 35-0,4 KV ENVIROMENTAL - FRIENDLY COMPOSITE POLES BY AZERISHIG OJSC

ANNUAL EARNINGS

- 96 mln m^3 Natural gas
- Avoided carbon dioxide emissions 115000 ton CO_2
- Energy savings 230 mln *kWh*

Glass-fiber Composite Poles have better dielectric properties than traditional metal and reinforced concrete Poles in cases of lightning strikes and current leakage into the body and in long-distance cable lines (with a carrier cable) no transformer effect, resistant to corrosion, environmental and harsh climate effects Fiberglass composite Poles withstand harsh climatic and terrain conditions (ice, freeze-thaw cycles and mountain areas) well, and their low weight makes them easy to transport to difficult terrain.

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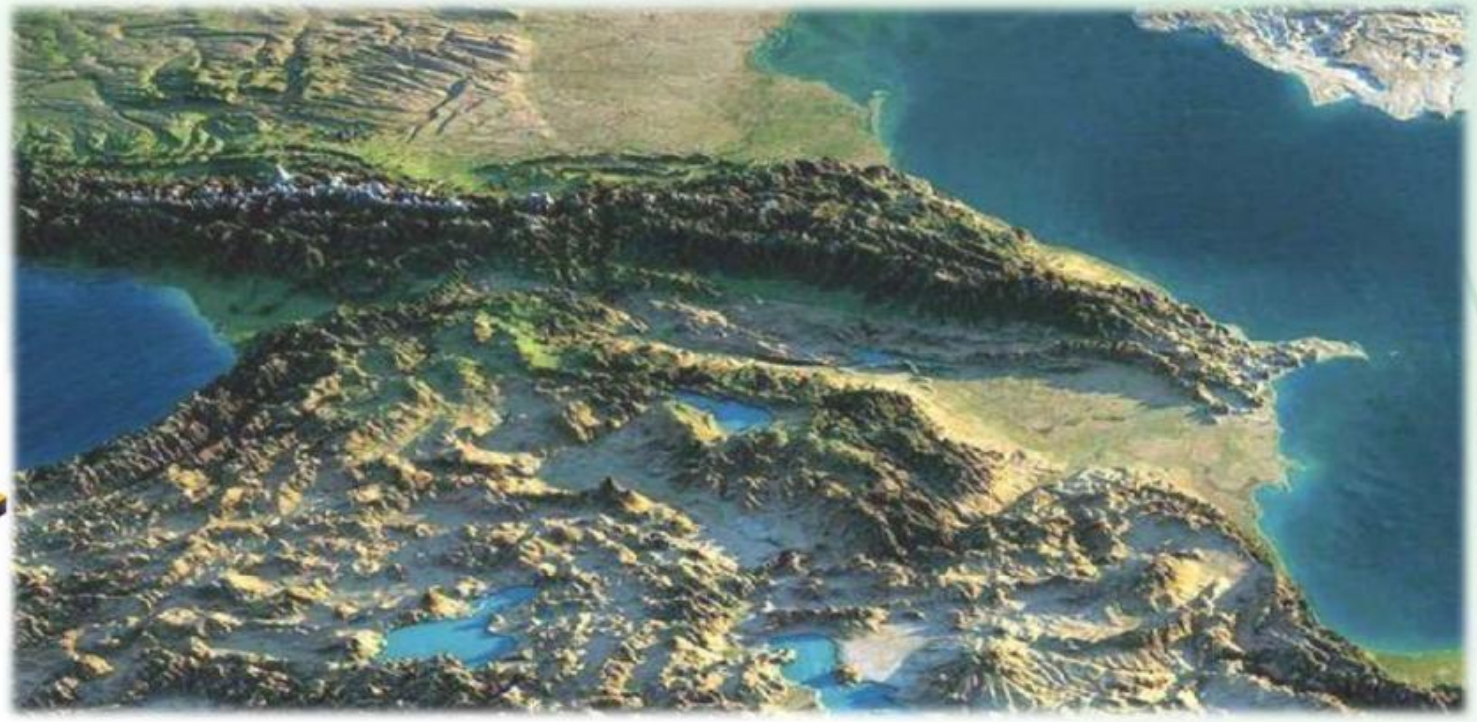
SMART ENERGY
SERVICES

IMPLEMENTATION OF GREEN ENERGY TECHNOLOGIES

"Azerishig" OJSC 3D-mobile map system of Distribution Networks



3D - mobile mapping technology, which is one of the modern trends in the field of application of Information Technologies in Distribution Networks, has already been put into use for more accurate and flexible implementation of operation, registration, analysis and planning of Electric networks.

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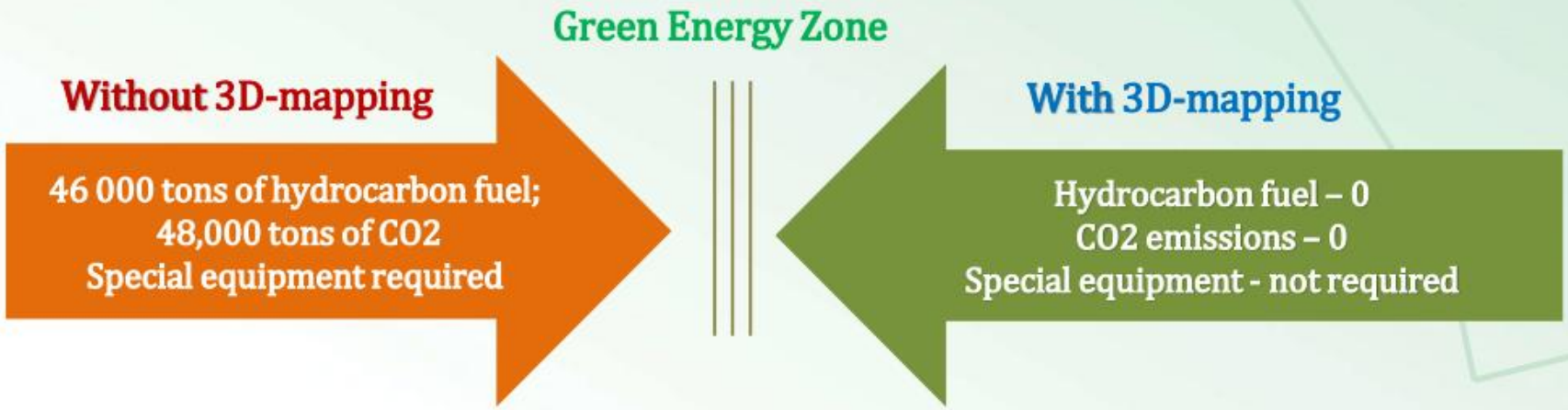
IMPLEMENTATION OF GREEN ENERGY TECHNOLOGIES

"Azerishig" OJSC 3D-mobile map system of Distribution Networks



Designing more than 400 units of 35/0.4 kV Transformer Substations and HV/LV power lines in the Green Energy Zone requires forced visits of designers to each site. At the same time, the required total distance will average more than 460,000 km.

The hydrocarbon fuel consumption for the total required distance will be:

- ***46 thousand tons** of hydrocarbon fuel are consumed;*
- *Increases CO2 emissions by **48,000 tons**;*
- *The country's **energy export potential is decreasing by 500 million kWh**.*

With the introduction of 3D mapping, there is no need to visit to the territory. Project specialists will be able to design e facilities and Electric Distribution Lines without leaving their workplaces

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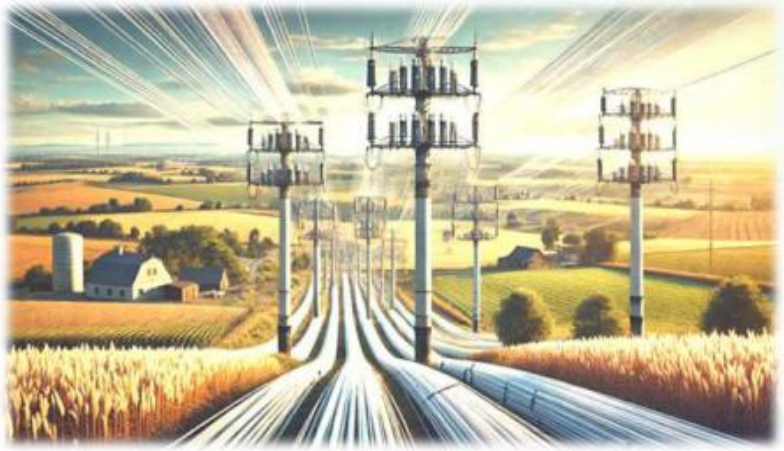
SMART ENERGY
SERVICES

IMPLEMENTATION OF GREEN ENERGY TECHNOLOGIES

MODERN TYPE 35 AND 0.4 KV INSULATED&PROTECTED POWER CABLE WITH OPTICAL FIBER

Environmental, technical and economic benefits of using fiber optic power cable

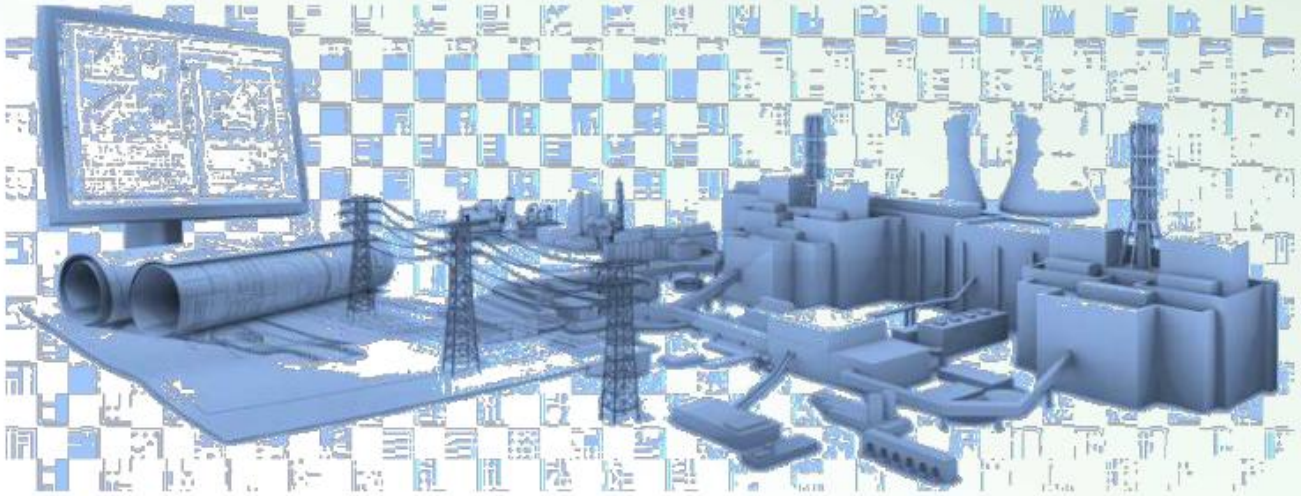
- EnhancedDurability and Protection
- Dual Functionality
- Improved Signal Transmission
- ReducedInstallation Costs
- High Voltage Capacity
- Enhanced Safety
- Low Maintenance
- Versatility in Applications

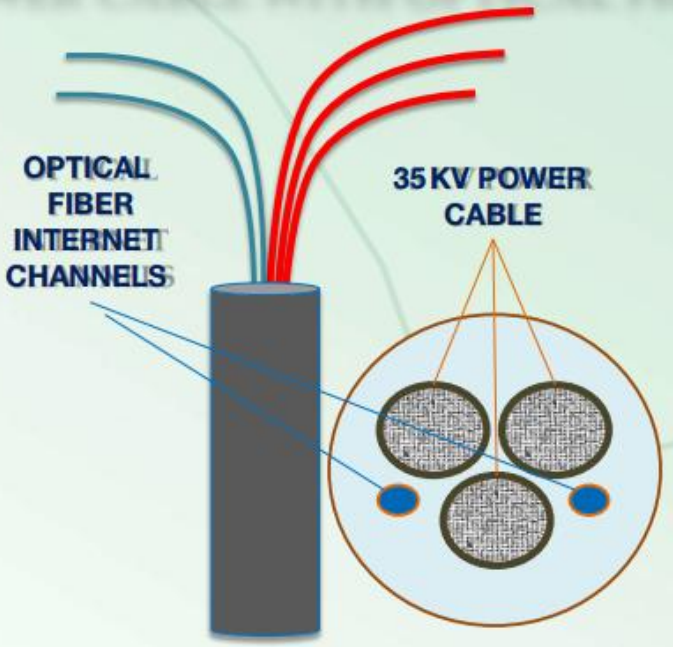


FUTURE-PROOFING: AS INDUSTRIES AND INFRASTRUCTURE BECOME MORE DATA -DRIVEN, HAVING OPTICAL FIBER INTEGRATED WITHIN POWER CABLES ALLOWS FOR EASIER UPGRADES TO SMART GRID AND IoT APPLICATIONS

IMPLEMENTATION OF GREEN ENERGY TECHNOLOGIES

MODERN TYPE 35 AND 0.4 KV INSULATED&PROTECTED POWER CABLE WITH OPTICAL FIBER





- The protection zone of the new type insulated 35 kV lines is 6-10 times smaller than the existing lines
- The annual consumption of goods and materials is reduced from 100% to 25%, the service life is reduced by 2 times
- The duration of emergency openings in insulated cables is up to 60% less than that of existing bare wires
- The duration and number of planned openings (maintenance of networks, maintenance, preventive inspection, etc) is 75% less than that of existing lines
- It is operated in dense or medium-density forest strips, protected areas without harming the environment and living creatures, without creating a fire hazard
- Compared to traditional HV Power Lines, Modern Cable Lines require less maintenance cost

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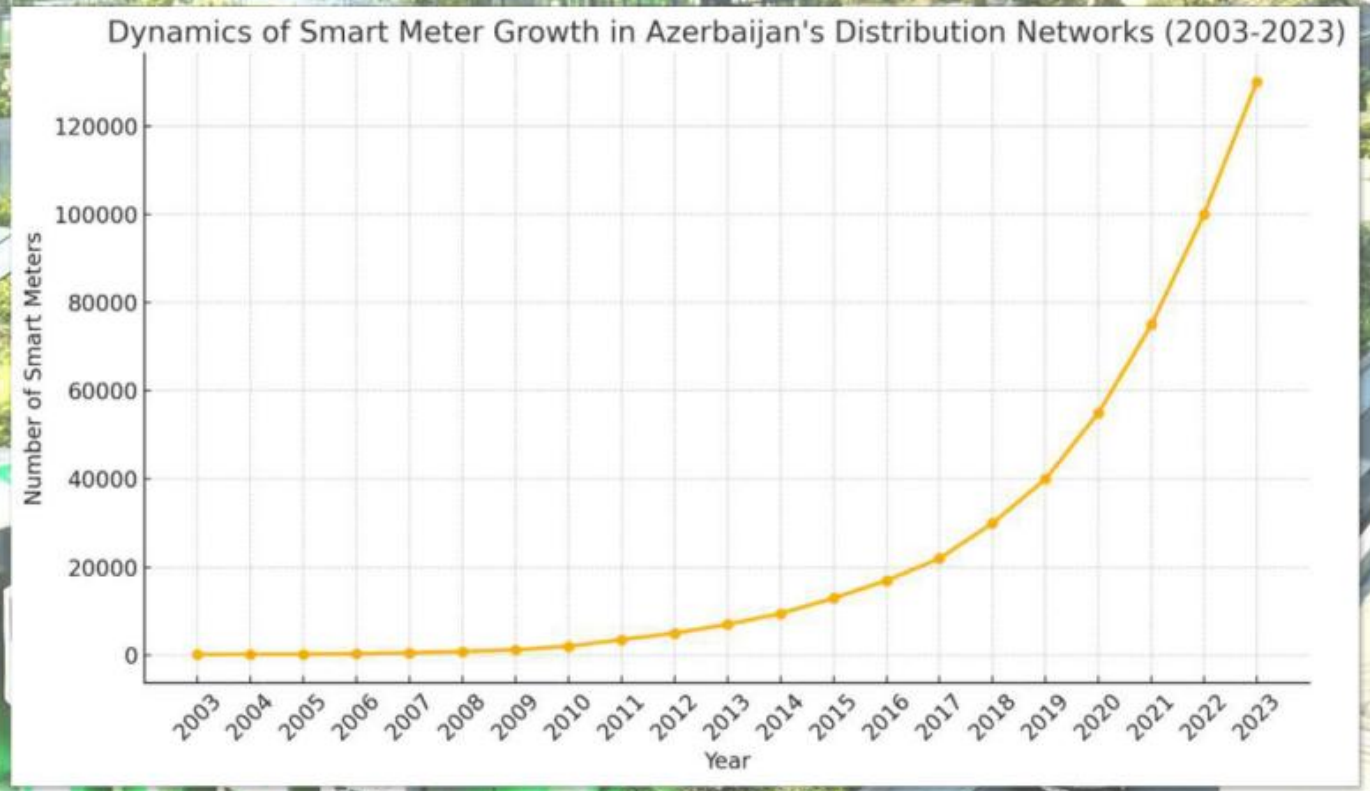
SMART ENERGY
SERVICES

IMPLEMENTATION OF GREEN ENERGY TECHNOLOGIES

Implementation of smart meters in distribution networks for 2003-2023



Over the past 20 years, more than 2.5 million smart meters have been installed and replaced

Project:
Implementation of Complex Sewage and Hydrocarbon Waste Treatment Technology with Purification of Water and Production of Heat and Electricity

Grounds for the Implementation of the Project*

**based on how it works in Russia*

Sewage treatment plants have a high environmental burden associated not only with water pollution but also with the solid waste management system.

Current situation

Aeration fields of sewerage stations

Cake disposal is carried out **by accumulation in ash dumps with no prospect of their processing**

Aeration fields:
- Are located within the city limits;
- Occupy significant area;
- Exhausted their capacity / close to exhaustion

Enterprises, built in the Soviet era, use a territorial scheme developed since 1962 and do not have a program for optimizing technologies for handling housing and communal services.

Ecological situation

Changes in environmental legislation:
- Stricter requirements for environmental friendliness of production facilities;
- Increasing utility bills.

Additional costs when accumulating on aeration fields:

1. Expenses for the maintenance of hydraulic structures;
2. Expenses for environmental payments for removal of waste, without knowledge of its destination!!!

Purpose of the Project

Implementation of the developed set of technologies and organizational measures ensuring the transition to a waste-free model of management.

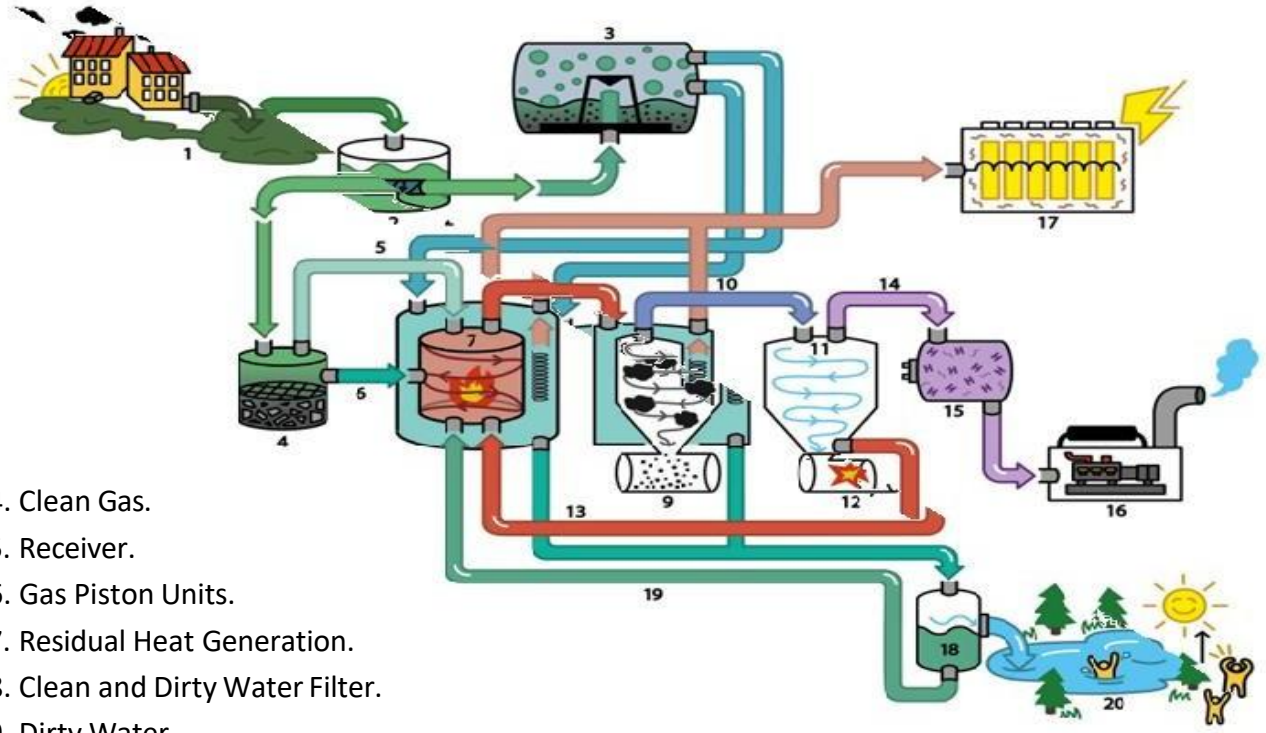
Project Objective

Creation and testing of a comprehensive technical and organizational solution suitable for replication and implementation at all sewerage stations.

Contents of the Project

The basis of the proposed changes is the connection to the model of the Operating Company's management

Proposed model of waste management



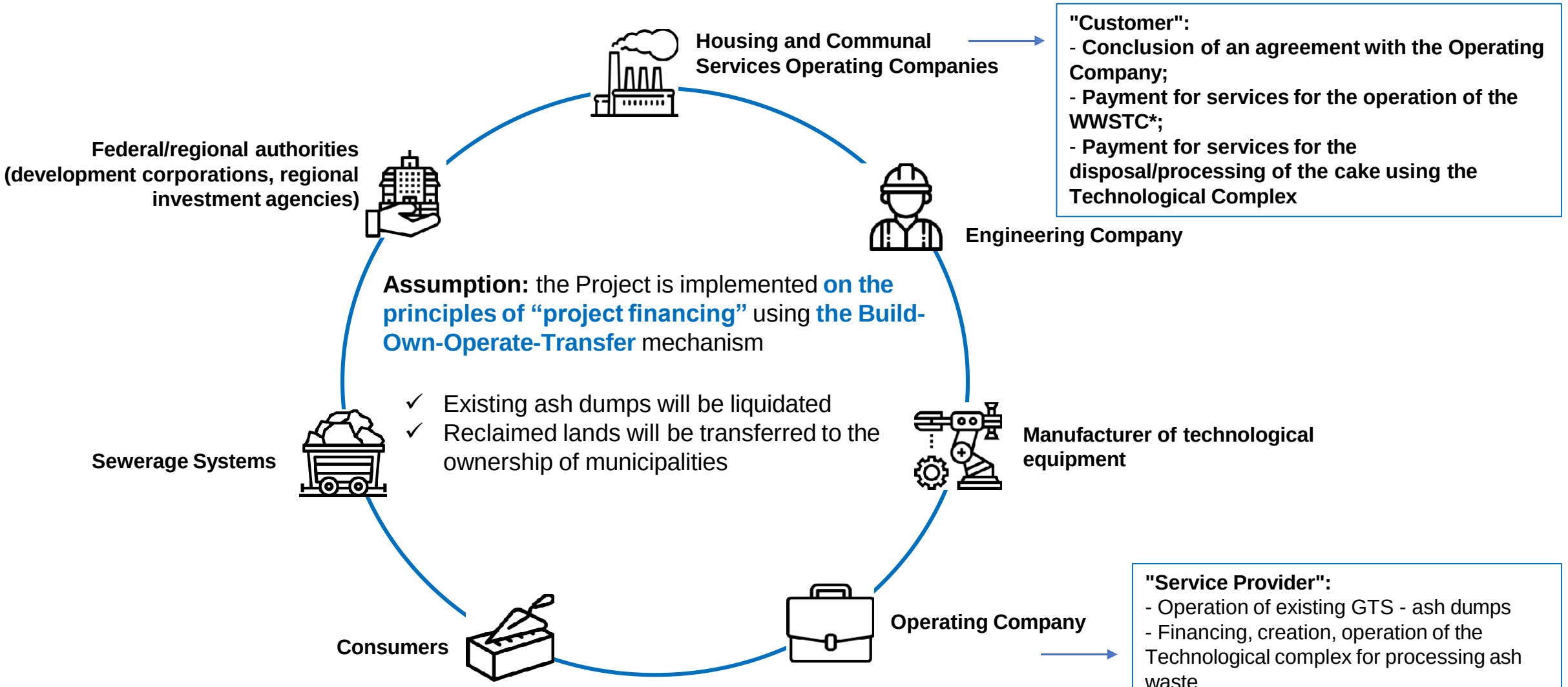
1. Drains.
2. Wastewater Collection Point.
3. Primary Sedimentation Tank.
4. Solid Sediment Collection Point.
5. Hydrogen Sulfide.
6. Solid Sediment.
7. Reactor.
8. Cyclone 1.
9. Ash Pan.
10. Refrigerated Gas.
11. Cyclone 2.
12. Heavy Gas Destruction Chamber.
13. Dirty Gas.
14. Clean Gas.
15. Receiver.
16. Gas Piston Units.
17. Residual Heat Generation.
18. Clean and Dirty Water Filter.
19. Dirty Water.
20. Pond.

KPI of the Project

Unprecedented improvement in waste management quality while maintaining the existing level of waste treatment costs.

Participants and legal structure model of the Project

To implement the Project, it is proposed to use the “innovation cluster” model



*WWSTC – Waste Water and Sewage Treatment Complex

Initiator of the Project

“Emerald Invest BV" specializes in the development and implementation of effective technologies for the rational use of fuel and non-fuel waste, city sewerage, agricultural waste, etc.

Currently, in association with the Institute of IBCP of the Russian Academy of Sciences, they are implementing a comprehensive program of scientific and technical cooperation in the following key areas:

- ✓ development and implementation of new technologies for the production of synthetic liquid fuel from carbon waste;
- ✓ production of spherical carbon adsorbents with a wide range of action (medicine, purification of drinking water, extraction of valuable metals, purification of water surfaces from oil and oil product spills, etc.);
- ✓ production of ash binders for road construction from ash, with the disposal of human waste, etc.
- ✓ production of building materials, coagulants and other valuable products from waste from fuel extraction and enrichment, ash and slag waste;
- ✓ development and implementation of technologies for obtaining valuable microelements from waste and carbonaceous rocks;
- ✓ development and implementation of technologies for the production of electrical energy;
- ✓ development and implementation of new technologies for waste processing and obtaining products of high consumer value on their basis.

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SMART ENERGY
SERVICES

PROJECTS

SMART ENERGY
SERVICES

Daşkəsən rayonu ərazisində yerləşən "Çovdar Filiz Emalı Sahəsi" və "Daşkəsən Dəmir Filiz" yataqlarının xarici elektrik təchizatı məqsədi ilə 35 kv-luq hava xətti üçün əlavə yolların açılması, ərazidaxili kabel işləri və küçə işıqlandırılması.

Открытие дополнительных подъездных дорог, прокладка кабельных линий внутри территории и уличное освещение для внешнего электроснабжения "Човдарского рудоперерабатывающего участка" и "Дашкесанского железорудного месторождения" с использованием воздушной линии электропередачи напряжением 35 кВ.

Construction of Additional Access Roads, On-site Cable Works, and Street Lighting for the External Power Supply of the "Chovdar Ore Processing Facility" and the "Dashkasan Iron Ore Deposit" Located in the Dashkasan District via a 35 kV Overhead Power Line.

Müqavilə dəyəri / Цена договора / Contract ammount: 1,413,128.17 AZN / 831, 251 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Binəqədi rayonu ərazisində tikilən 110 kv-luq Mehdiabad (91 saylı) 110 / 35/6 kv-luq 2x40 MVA gücündə yarımstansiyasının elektrik avadanlıqlarının quraşdırılması

Установка электрического оборудования на подстанции "Мехдиабад" (№91) 110/35/6 кВ мощностью 2x40 МВА, строящейся на территории Бинагадинского района.

Installation of electrical equipment at the "Mehdiabad" (No. 91) 110/35/6 kV substation with a capacity of 2x40 MVA, under construction in the Binagadi district.

Müqavilə dəyəri / Цена договора / Contract ammount: 12,796,885.39 AZN / 7 527 579 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Füzuli şəhəri ərazisində yeni 35/0,4 kV-luq "Füzuli" Rəqəmsal Yarımstansiya və İdarəetmə Mərkəzinin tikintisi, 35 kV-luq iki dövrəli kabel xəttinin çəkilməsi işləri.

Строительство новой цифровой подстанции 35/0,4 кВ "Физули" и Центра управления в городе Физули, а также прокладка двухцепной кабельной линии 35 кВ.

Construction of a new 35/0.4 kV "Fuzuli" Digital Substation and Control Center in the city of Fuzuli, along with the installation of a double-circuit 35 kV cable line.

Müqavilə dəyəri / Цена договора / Contract ammount: 6,611,605.45 AZN / 3 889 179 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Hadrut qəsəbəsi ərazisində yeni 35 kV-luq Hadrut Yarımstansiyası və İdarəetmə Mərkəzinın tikintisi, avadanlıqlarının quraşdırılması.

Строительство новой подстанции 35 кВ "Хадрут" и Центра управления в поселке Хадрут, установка оборудования.

Construction of the new 35 kV Hadrut Substation and Control Center in the Hadrut settlement, including equipment installation.

Müqavilə dəyəri / Цена договора / Contract ammount: 7,162,308.59 AZN / 4 213 122 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Ələt iqtisqadi zonanın ərazisində 110/35/6 kv-luq AİZ yarımstansiyanın və İdarəetmə mərkəzinin tikintisi işlərinin satın alınması.

Закупка работ по строительству подстанции 110/35/6 кВ "АИЗ" и Центра управления на территории Алятской экономической зоны.

Procurement of construction works for the 110/35/6 kV "AEZ" substation and Control Center within the territory of the Alat Economic Zone.

Müqavilə dəyəri / Цена договора / Contract ammount: 25,938,760.75 AZN / 15 258 094 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Xocalı rayonu,Əsgəran yaşayış məntəqəsi ərazisində yeni 35 kV-luq "Əsgəran" yarımstansiyasının tikintisi və şəbəkə ilə əlaqələndirilməsi.

Строительство новой подстанции 35 кВ "Аскеран" на территории населённого пункта Аскеран Ходжалинского района и её подключение к электрической сети.

Construction of a new 35 kV "Askeran" substation in the Askeran settlement area of the Khojaly district and its connection to the network.

Müqavilə dəyəri / Цена договора / Contract ammount: 4,443,291.46 AZN / 2 613 700 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Gəncə şəhərində 110/35 kv-luq 2x40 MVA gücündə "Mərkəz" yarımstansiyasının tikintisi və mövcud şəbəkə ilə əlaqələndirilməsi

Строительство подстанции 110/35 кВ "Мерказ" мощностью 2x40 МВА в городе Гянджа и её подключение к существующей сети.

Construction of the 110/35 kV "Merkaz" substation with a capacity of 2x40 MVA in the city of Ganja and its connection to the existing network.

Müqavilə dəyəri / Цена договора / Contract ammount: 15,603,261.83 AZN / 9 178 388 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Kəlbəcər ş-ri, yeni 35/0,4 kV y/st və İdarəetmə Mərkəzinin tikintisi, avadanlıqlarının qur-sı və 2 dövrəli k/x çəkilməsi.

Строительство новой подстанции 35/0,4 кВ и Центра управления в городе Кельбаджар, установка оборудования и прокладка двухцепной кабельной линии.

Construction of a new 35/0.4 kV substation and Control Center in the city of Kalbajar, installation of equipment, and laying of a double-circuit cable line.

Müqavilə dəyəri / Цена договора / Contract ammount: 5,927,790.37 AZN / 3 486 935 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Laçın şəhəri ərazisində yeni 35/04 kv-luq yarımstansiya və idarəretmə məntəqəainin tikintisi və avadanlıqların quraşdırılması.

Строительство новой подстанции 35/0,4 кВ и пункта управления на территории города Лачын, а также установка оборудования.

Construction of a new 35/0.4 kV substation and control unit in the city of Lachin, along with equipment installation.

Müqavilə dəyəri / Цена договора / Contract ammount: 5,250,804.33 AZN / 3 088 708 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Şuşa rayonu,Malıbəyli yaşayış məntəqəsi ərazisində yeni 35 kV-luq "Malıbəyli"yarımstansiyasının tikintisi və şəbəkə ilə əlaqələndirilməsi

Строительство новой подстанции 35 кВ "Малыбейли" на территории населённого пункта Малыбейли Шушинского района и её подключение к электрической сети.

Construction of a new 35 kV "Malibayli" substation in the Malibayli settlement of the Shusha district and its connection to the power network.

Müqavilə dəyəri / Цена договора / Contract ammount: 3,426,522.51 AZN / 2 015 601 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Qubadlı şəhəri ərazisində yeni 35/0.4 kV-luq "Qubadlı" Yarımstansiya və Rəqəmsal İdarəetmə Mərkəzinin tikintisi, 35 kV-luq iki dövrəli kabel xəttinin çəkilməsi işlərinin satın alınması.

Закупка работ по строительству новой подстанции 35/0,4 кВ "Кубадлы" и цифрового центра управления на территории города Кубадлы, а также прокладке двухцепной кабельной линии 35 кВ.

Procurement of works for the construction of a new 35/0.4 kV "Qubadli" Substation and Digital Control Center in the city of Qubadli, as well as the installation of a double-circuit 35 kV cable line.

Müqavilə dəyəri / Цена договора / Contract ammount: 6,950,658.83 AZN / 4 088 622 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Şuşa şəhəri Qarabağ küçəsində 35/0,4 kV-luq 4x2500 Kva gücündə transformator məntəqəsinin tikintisi və 35 kV-luq şəbəkə ilə əlaqələndirilməsi.

Строительство трансформаторной подстанции мощностью 4x2500 кВА 35/0,4 кВ на улице Карабах в городе Шуша и её подключение к сети 35 кВ.

Construction of a 35/0.4 kV transformer substation with a capacity of 4x2500 kVA on Karabakh Street in the city of Shusha and its connection to the 35 kV network.

Müqavilə dəyəri / Цена договора / Contract ammount: 3,206,902.10 AZN / 1 886 412 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Xocalı rayonu,Sığnaq yaşayış məntəqəsi ərazisində yrni 35 kV-luq yarımstansiyanın tikintisi və şəbəkə ilə əlaqələndirilməsi.

Строительство новой подстанции 35 кВ на территории населённого пункта Сыгнак Ходжалинского района и её подключение к сети.

Construction of a new 35 kV substation in the Sighnaq settlement area of the Khojaly district and its connection to the network.

Müqavilə dəyəri / Цена договора / Contract ammount: 3,719,116.50 AZN / 2 187 715 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Tovuz rayonu ərazisində 110/35/10 kv "Tovuz şəhər" yarımstansiyasının 2x25 MVA gücündə yenidənqurulması, giriş-çıxış xəttlərinin köçürülməsi işlərinin satın alınması

Закупка работ по реконструкции подстанции 110/35/10 кВ "Товуз город" мощностью 2x25 МВА и переносу входных и выходных линий на территории Товузского района.

Procurement of works for the reconstruction of the 110/35/10 kV "Tovuz City" substation with a capacity of 2x25 MVA and relocation of incoming and outgoing lines in the Tovuz district.

Müqavilə dəyəri / Цена договора / Contract ammount: 12,331,466.47 AZN / 7 253 791 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Tovuz rayonu, Qovlar qəsəbəsi ərazisində yerləşən mövcud 110/10 kV-luq "Qovlar" y/st-sının 110/35/10 kV-luq 2x25 MVA gücündə yenidənqurulması işləri

Работы по реконструкции существующей подстанции "Ковлар" 110/10 кВ на территории поселка Ковлар Товузского района до подстанции 110/35/10 кВ мощностью 2x25 МВА.

Reconstruction works of the existing 110/10 kV "Govlar" substation located in the Govlar settlement of the Tovuz district into a 110/35/10 kV substation with a capacity of 2x25 MVA.

Müqavilə dəyəri / Цена договора / Contract ammount: 11,435,317.65 AZN / 6 726 657 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Xocalı şəhəri ərazisində 35 kV-luq "Xocalı" yarımstansiyası və İdarəetmə Mərkəzinin tikintisi işləri

Строительные работы по возведению подстанции 35 кВ "Ходжалы" и Центра управления в городе Ходжалы.

Construction works of the 35 kV "Khojaly" substation and Control Center in the city of Khojaly.

Müqavilə dəyəri / Цена договора / Contract ammount: 4,837,742.60 AZN / 2 845 730 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Zəngilan şəhəri ərazisində yeni 35/0,4 kV-luq "Zəngilan" Yarımstansiyası və Rəqəmsal İdarəetmə Mərkəzinin tikintisi, 35 kV-luq iki dövrəli kabel xəttinin çəkilməsi

Строительство новой подстанции 35/0,4 кВ "Зангилан" и Цифрового центра управления в городе Зангилан, включая прокладку двухцепной кабельной линии 35 кВ.

Construction of a new 35/0.4 kV "Zangilan" Substation and Digital Control Center in the city of Zangilan, including installation of a double-circuit 35 kV cable line.

Müqavilə dəyəri / Цена договора / Contract ammount: 6 950 658,83 AZN / 4 088 622 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Kəlbəcər rayon İstisu qəsəbəsində 110/35 kV-luq 2x40 MVA gücündə yeni yarımstansiyasının tikintisi işləri

Строительные работы по возведению новой подстанции 110/35 кВ мощностью 2x40 MBA в поселке Истису Кельбаджарского района.

Construction works for a new 110/35 kV substation with a capacity of 2x40 MVA in the Istisu settlement of the Kalbajar district.

Müqavilə dəyəri / Цена договора / Contract ammount: 15,603,283.84 AZN / 9 178 401 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Qaradağ rayonu, Ələt qəsəbəsində yerləşən mövcud 110 kV-luq "AEK" yarimstansiyasının yeri dəyişdirilməklə 110/35/10 kV-luq 2x80 MVA gücündə yenidən qurulması və mövcud 110 kV-luq hava xətti ilə əlaqələndirilməsi

Реконструкция существующей подстанции 110 кВ "АЕК", расположенной в посёлке Алят Карадагского района, с изменением её расположения и строительством новой подстанции 110/35/10 кВ мощностью 2x80 МВА, с последующим подключением к существующей воздушной линии электропередачи 110 кВ.

Reconstruction of the existing 110 kV "AEK" substation located in the Alat settlement of the Garadagh district by relocating it and constructing a new 110/35/10 kV substation with a capacity of 2x80 MVA, to be connected to the existing 110 kV overhead transmission line.

Müqavilə dəyəri / Цена договора / Contract ammount: 22,500,000.00 AZN / 13 235 294 $

Ölkə / Страна / Country: Azerbaijan

SMART ENERGY
SERVICES

Sea Breeze Resort Residences istirahət kompleksiin daxili elektrik təchizatının təmin olunması məqsədi ilə 35 kV-luq yarımstansiya və İdarəetmə Mərkəzinin tikintisi,transformator məntəqələrinin yenidənqurulması

Строительство подстанции 35 кВ и Центра управления, а также реконструкция трансформаторных пунктов для обеспечения внутреннего электроснабжения комплекса отдыха Sea Breeze Resort Residences.

Construction of a 35 kV substation and Control Center, and reconstruction of transformer stations to ensure internal power supply for the Sea Breeze Resort Residences recreation complex.

Müqavilə dəyəri / Цена договора / Contract ammount: 5,591,731.58 AZN / 3 289 253 $

Ölkə / Страна / Country: Azerbaijan

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THANK YOU FOR ATTENTON

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