



COMPANY PROFILE



**EXPERIENCE
AND PROFESSIONALISM
IN EVERY CONNECTION!**

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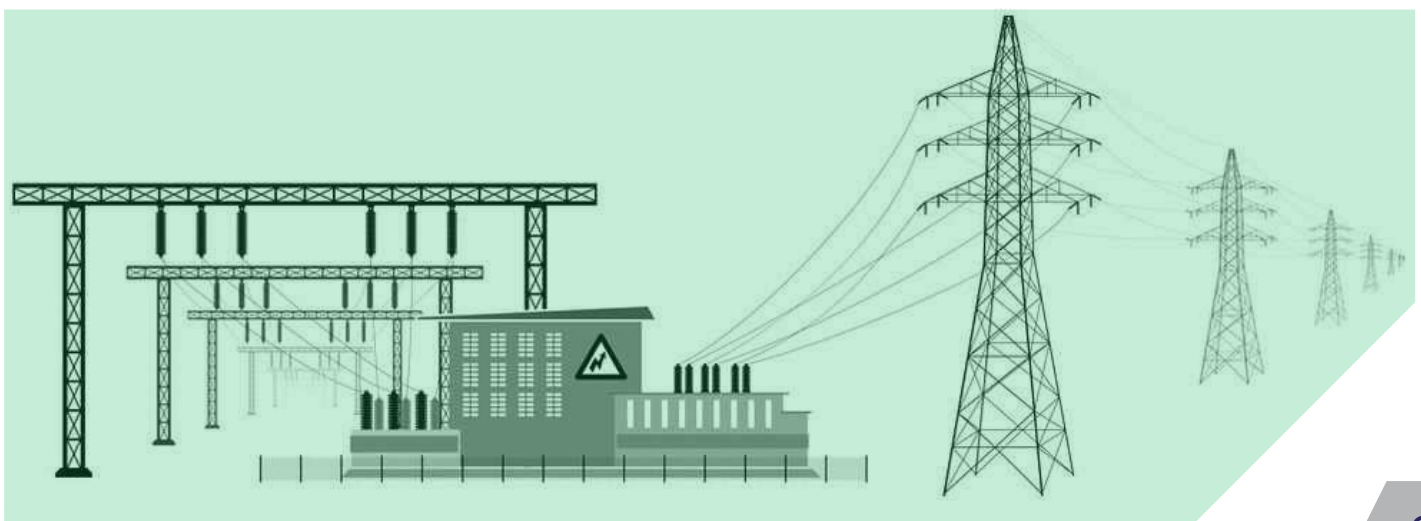
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A reliable partner in the field of energy services, including construction of power lines, installation and repair of substations, design of high-voltage power lines and substations, testing of equipment, adjustment of relay protection, repair of electrical machines and transformers - this is all in the company "Turkmen Yyldyzy".

The company was founded in 2009, and every year new services are added and new directions are mastered.

Our experience also includes structural fabrication, metal laboratory testing, construction and installation work in a variety of environments and the production of cable and wiring products. Reliability, professionalism and innovative approaches are key characteristics of our energy solutions. In addition, the company provides services in procurement, trucking and construction equipment rental.

For 15 years, we have successfully completed and commissioned facilities throughout the country, customers of which were more than fifty large private and state-owned companies, as well as branches of large international companies such as: Petronas, Belgorhimprom, Rönesans, CNPC, CNLC, CPTC, SINOPEC, SinoPetroleum, Çalyk Enerji, Dragon Oil, Adipson and others. Having extensive experience, high production potential of workers and specialists, the company copes with tasks of varying complexity, steadily increasing production efficiency, introducing innovations. This complex and multidisciplinary activity is carried out on the basis of the concept of sustainable development of the energy industry. We are confident that our wide range of services has a positive impact on our clients' business.



SERVICES

- ⚡ DESIGN, CONSTRUCTION AND ENGINEERING OF HV TRANSMISSION LINES UP TO 500KV & HV SUBSTATION
- ⚡ ALL KINDS OF ELECTRICAL EQUIPMENT TESTS UP TO 500 KV
- ⚡ COMMISSIONING & RELAY CALIBRATION
- ⚡ PROCUREMENT AND INSTALLATION OF PLC & SCADA SYSTEM AND COMMISSIONING
- ⚡ ELECTRICAL MOTOR & GENERATOR MAINTENANCE UP TO 630 KWT AND TRANSFORMER MAINTENANCE UP TO 25MVA
- ⚡ ADJUSTMENT OF AN AUTOMATED PROCESS CONTROL SYSTEM
- ⚡ UPS MAINTENANCE & BATTERY TESTING
- ⚡ LAYING & JOINTING CABLE UP TO SECTION 1X1000+181MM2 AND TERMINATION
- ⚡ SUPPLY & INSTALLATION OF BUSDUCT
- ⚡ NON-DESTRUCTIVE TESTING
- ⚡ MINE CONSTRUCTION AND INSTALLATION WORKS



Cable and wiring products under the brand name "GERIM" were established in 2020.

The company produces insulated installation cables that comply with international standards, in a large assortment and in various sizes. Despite the fact that this production was established not so long ago, the presence of great demand for electrical wires of the trademark "GERIM" not only in Lebap velayat, where the company is located, but also throughout the country is evidence that the production is established in accordance with the highest technical requirements. Products of "GERIM" are marked with "Certificate of Conformity" issued by the state standardization body. Production of high quality products is the main principle of Turkmen Yyldyzy Company, which gives a guarantee for its products and informs that each cable produced undergoes laboratory tests separately.



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HIGH VOLTAGE SUBSTATIONS & TRANSMISSION LINES

Our company is a leading contractor in the Transmission & Distribution Sector in Turkmenistan with present operations / project executions covering all regions of the country. The company is capable of executing LV & HV Substations & Transmission lines and electrical distribution projects on turnkey basis. The company has wide experience in Turnkey projects which include:

- ⚡ Transmission lines construction up to 500 kV
- ⚡ Underground cabling up to 500 kV
- ⚡ Indoor & Outdoor substations up to 500 kV
- ⚡ Distribution lines — 220kV, 110kV, 35kV, 10kV
- ⚡ Current and major repairs of substations up to 500kV
- ⚡ LV lines, service connection etc.
- ⚡ HV substation design and engineering



COMMISSIONING & RELAY CALIBRATION

Commissioning Team have fully experienced highly skilled electrical engineers and state-of-the-art testing equipment. Team offers a wide spectrum of services including:

- ⚡ Setting up and checking relay terminals of all types and manufacturers (GE, SIEMENS, SCHNEIDER ELECTRIC, SIRIUS)
- ⚡ Testing and adjustment of current and voltage transformers
- ⚡ Electrical system automation check
- ⚡ Relay Calibration with primary injection
- ⚡ Relay Calibration with secondary injection
- ⚡ Current & Voltage Transformer check
- ⚡ Synchro check
- ⚡ Cooperation with local authorities

Main testing equipment include:

- ⚡ OMICRON-356 Relay Protection Testing set
- ⚡ Retom-61 Universal testing system
- ⚡ Retom-21 Relay Protection parameters measuring set
- ⚡ Retometer-M2 Volt-Ampere-Phase-Meter



AUTOMATION CONTROL SYSTEM (ACS)

"Turkmen yyldyzy" company is a group of specialists who effectively solve the entire range of tasks in the field of automation of technological processes: from design to development and implementation of turnkey ready-made control systems. The success of the "Adjustment and Testing" department of the Turkmen yyldyzy company is based on fruitful cooperation. This approach to solving industrial automation problems is a solid foundation of our work. Thanks to a thorough study of the needs of each customer, our specialists offer the optimal composition of software and hardware and create effective automation systems. We always strive to ensure that the customer is sure of the main thing: regardless of the complexity of his requests, he will receive everything he needs "from one hand" in a given time and with high quality. We offer you solutions to problems in the following areas:

- ⚡ Installation of automation and measurement tools
- ⚡ PLC software
- ⚡ Development SCADA system
- ⚡ Development commissioning



ELECTRICAL EQUIPMENT TESTING

Department of Adjustment and Testing consists of a mobile & stationary high-voltage and low-frequency electrical laboratories and has a sufficient number of highly skilled engineering staff in order to meet ever-increasing demand for testing works. Main activities carried out include:

- ⚡ HV & LV Transformer Hi-Pot testing
- ⚡ Tan Delta test
- ⚡ Power Cable Hi-Pot testing (AC, DC, Very-Low Frequency AC)
- ⚡ Cable fault finding (Impulse, Acoustic, Reflective etc.)
- ⚡ Measurements of winding resistance to DC
- ⚡ Earthing equipment test
- ⚡ Breakdown Voltage test of transformer oil
- ⚡ Battery test
- ⚡ Contact Resistance check

Major testing equipment include:

- ⚡ HVT-3FAV mobile electro technical laboratory
- ⚡ IFL 55106 Inductive Fault Locator
- ⚡ TDR-109 Impulse Reflectometer
- ⚡ VLF-6022 CMF Very-Low Frequency generator
- ⚡ TAN Delta-12000 Automatic Bridge
- ⚡ RET-MOM Micro-ohmmeter
- ⚡ Fluke-1625 Ground Tester
- ⚡ АИД-70 Dielectric Testing Equipment
- ⚡ Torkel 930 battery load unit
- ⚡ АИМ-90 Automatic Oil Testing Equipment for transformer oil



MOTOR & TRANSFORMER MAINTENANCE

Our activities additionally include the repair of electrical motors, generators and transformers of various sizes. The following repairs are carried out in the repair workshop of the company:

- ⚡ LV & HV Motors overhaul and maintenance
- ⚡ LV & HV Transformers overhaul and maintenance
- ⚡ Transformer oil regeneration
- ⚡ Diesel generator overhaul
- ⚡ Repair, Rewinding and Testing of Ex / Non-Ex proof Certified Electrical motor

Main equipment:

- ⚡ PCB-45 Dry air preparation unit
- ⚡ YPM-3000 R-50 Installation for regeneration of transformer oil



Our affiliate company Yldyz senagat provides Non-Destructive testing, Materials testing and welding services for a diverse range of industries. We help you ensure the reliability and safety of your products, equipment or plant assets with our world class services in NDT, materials testing and welding quality.

Our vast expertise and knowledge in NDT and materials testing means we can select the right techniques and procedures to detect defects and irregularities in your products, equipment, production facilities or plant assets and provide you with necessary data to assist you making informed decision.

Wherever your company is based and whichever sector, our global reach means we can support you with our comprehensive range of NDT services that include :

- ⚡ Materials testing
- ⚡ Specialist NDT services
- ⚡ Welding services
- ⚡ Non-destructive consulting

Primary equipment:

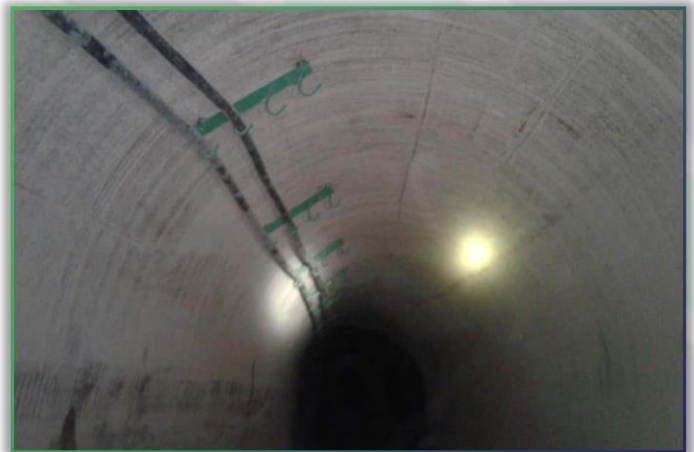
- ⚡ УТ-93П thickness gauge
- ⚡ ТЭМП-2 hardness tester
- ⚡ ВИК-2 visual inspection kit
- ⚡ УД2-ВП-46 ultrasonic flaw detector
- ⚡



UNDERGROUND WORKS

Our company was one of the first in Turkmenistan to begin construction and installation work in ore mines. We carry out project support of the existing potash and ore production with reconstruction without stopping production in order to increase economic efficiency. We perform works such as :

- ⚡ Installation of belt conveyors and their automation
- ⚡ Construction work in underground structures
- ⚡ Installation of warning systems in the mine and positioning of mine personnel
- ⚡ Installation of mine telephone communication systems
- ⚡ Installation of fire extinguishing systems
- ⚡ Installation and commissioning at underground substations and power lines
- ⚡ Installation of ventilation system



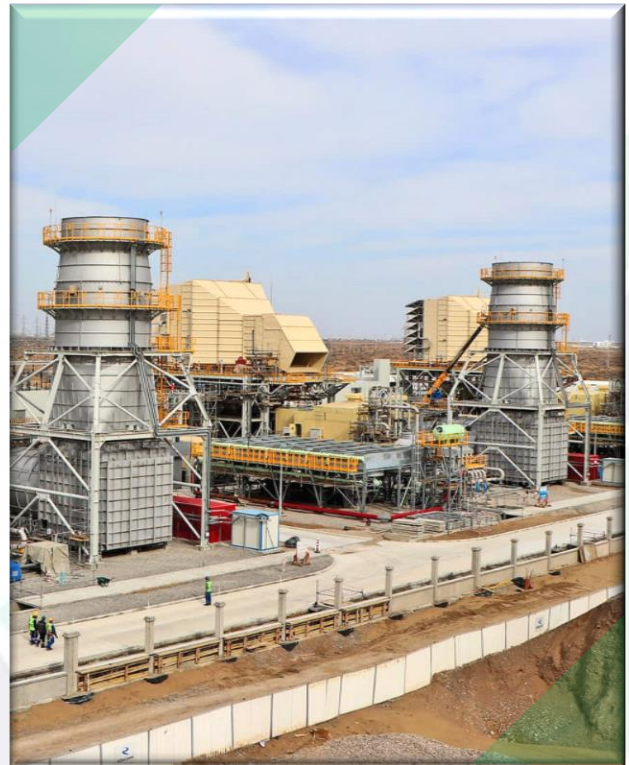
Simple cycle gas turbine power plant with a capacity of 432 MW

Customer: «Rönesans»

Location: Charjew district of Lebap region

Type of work:

- ⚡ Installation of electrical equipment at 110-220 kV Switchyard
- ⚡ Construction work, including installation of metal structures at 110-220 kV Switchyard
- ⚡ Installation of panels (220kV, 110kV and 10kV protection & control equipment, 6,6kV-10kV)
- ⚡ Installation of LV switchboards (110V DC batteries, 380V AC/110V DC charger, 110V DC distribution panel)
- ⚡ Installation and commissioning of the SCADA system
- ⚡ Installation of telecommunication tower
Stringing of OPGW Wire with related Hardware
- ⚡ All necessary primary and secondary tests



Garlyk potash production plant



Customer: «BELGORHOMPROM» OJS

Location: Garlyk district of Lebap region

Type of work:

- ⚡ Installation and commissioning at underground substations and power lines
- ⚡ Installation and commissioning of PLC and SCADA system at main transformer substation 220/6-6kV
- ⚡ 220kV overhead lines construction & underground cabling
- ⚡ Indoor & Outdoor substations and switchgears up to 220 kV
- ⚡ Transformer maintenance up to 2500kVA
- ⚡ Commissioning & Relay calibration
- ⚡ UPS Installation



Gas processing factory in Samandepe and Yashyldepe

Customer: «CNPC»

Location: Farap & Hodjambaz district
of Lebap region

Type of work:

- ⚡ Testing of electrical equipment
35/110/220kV at the gas processing
factory
- ⚡ UPS maintenance & battery discharge test
- ⚡ Transformer oil testing
- ⚡ Checking explosion-proof high voltage
electric motors
- ⚡ Periodic relay calibration



EXPERIENCE



Onshore & Offshore Gas Terminal of PC(T)SB



Customer: «Petronas»

Location: Kiyarly industrial are of
Balkan region, MCR-A, CDDP & WDDP

Type of work:

- ⚡ Testing of electrical equipment
35/110/220kV at the gas processing
factory
- ⚡ UPS maintenance & battery discharge test
- ⚡ Transformer oil testing
- ⚡ Testing and repair of switchgear and
electrical equipment
- ⚡ Relay calibration of protection system
- ⚡ Procurement, installation and testing
busduct
- ⚡ Repair, Overhaul and Testing of “Ex”
certified and Submersible LV/HV Motors



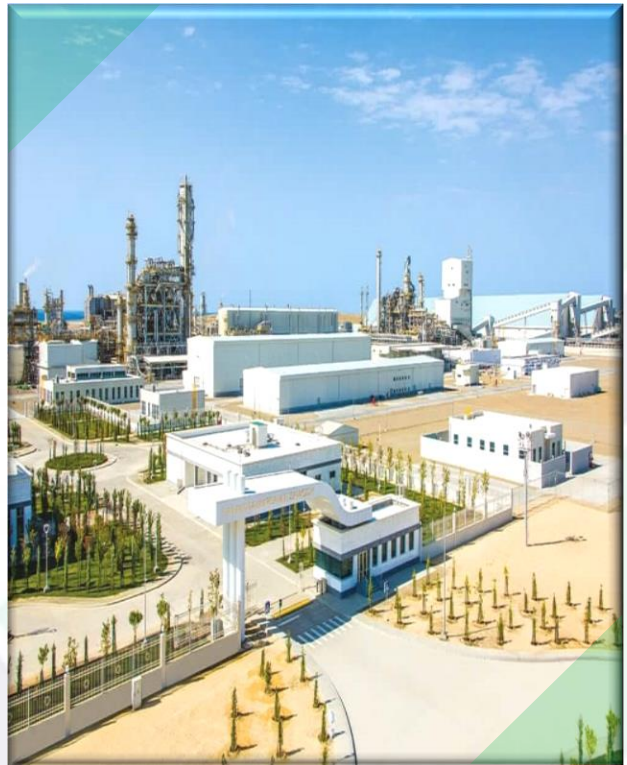
Garabogaz fertilizer plant

Customer: «GAP INŞAAT»

Location: Garabogaz city of
Balkan region

Type of work:

- ⚡ Checking of earthing devices
- ⚡ Load and discharge testing on battery systems
- ⚡ Test of transformer and oil
- ⚡ Test of switchgears and electrical equipment
- ⚡ Relay calibration



EXPERIENCE



Golf Club of the city Ashgabat



Customer: IE «MYRADYM»

Location: Ashgabat

Type of work:

- ⚡ Installation of panels (6,6-10 kV)
- ⚡ Installation, commissioning and inspection of UPS
- ⚡ Relay protection and automation



Textile factory of the city Turkmenabad

Customer: Turkmenabat textile factory

Location: Turkmenabat, Lebap region

Type of work:

- ⚡ Inspection and maintenance of all electrical equipment
- ⚡ Repair, overhaul and testing of low\high voltage motors
- ⚡ Transformer and oil testing
- ⚡ Testing and repair of switches
- ⚡ Switchgear maintenance
- ⚡ Relay protection and automation



EXPERIENCE



Dashoguz State Power Plant



Customer: Dashoguz state power plant
Location: Dasoguz city of Dashoguz region
Type of work:

- ⚡ Installation and commissioning at underground substations and power lines substation 220/6-6kV
- ⚡ 220kV overhead lines construction & underground cabling
- ⚡ Indoor & Outdoor substations and switchgears up to 220 kV
- ⚡ Commissioning & Relay calibration



EQUIPMENT AND MATERIALS FOR THE CONSTRUCTION OF OVERHEAD AND CABLE POWER LINES

- ⚡ transformers
- ⚡ supports
- ⚡ insulators
- ⚡ concrete blocks
- ⚡ disconnectors
- ⚡ mounting brackets
- ⚡ cross arms
- ⚡ clamps
- ⚡ cable joints
- ⚡ fittings



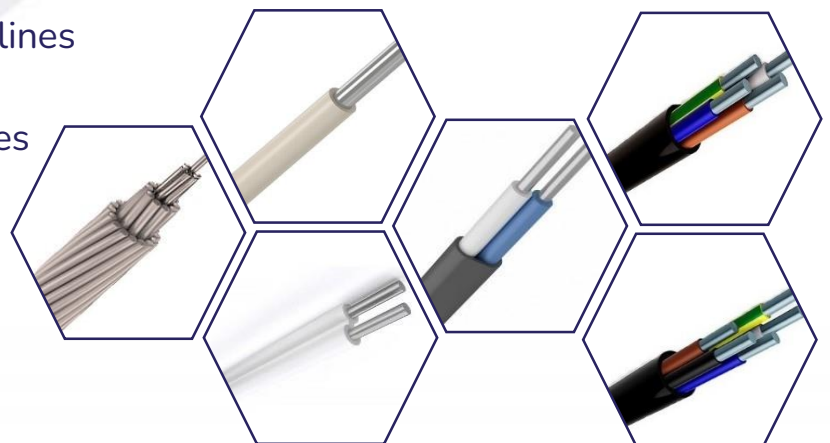
REPAIR COMPONENTS FOR TRANSFORMERS AND ELECTRIC MOTORS

- ⚡ electric-grade cardboard
- ⚡ winding wires
- ⚡ bearings
- ⚡ synthoflex
- ⚡ kiper tape

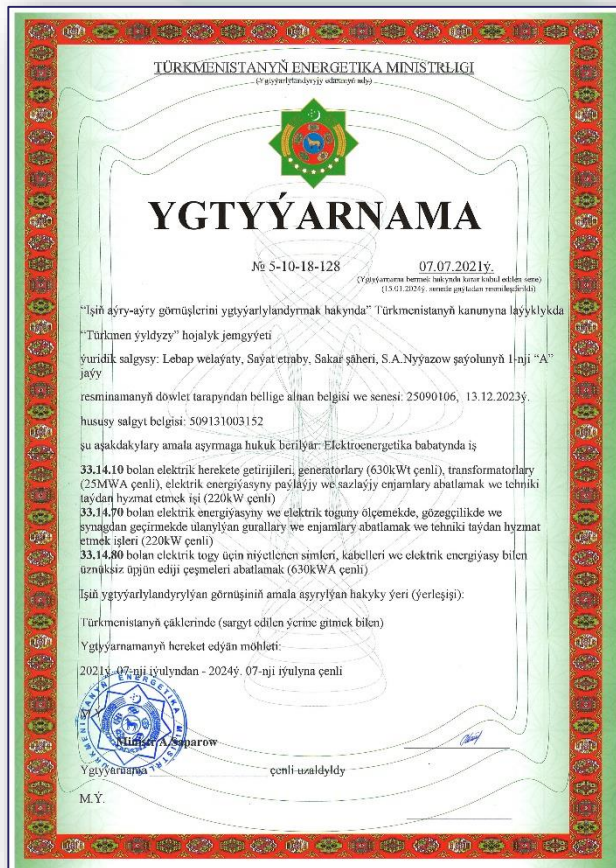


GERIM WIRES AND CABLES by Türkmen Ýyldyzy

- ⚡ non insulated wires for overhead lines
- ⚡ PVC insulated wires
- ⚡ PVC insulated and sheathed cables
- ⚡ four core power cables
- ⚡ five core power cables



Scan **QR code** for more details



CLIENTS AND PARTNERS





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