AAEEE

“Electrosevkavmontag”

POWER ENGINEERING & ELECTRICAL INFRASTRUCTURE SOLUTIONS

Engineering | Construction | Installation | Testing & Commissioning | Manufacturing



CORPORATE **PROFILE**

Armenia

ABOUT THE COMPANY

AAEEE "Electrosevkavmontag" is an Armenian engineering and electrical contracting company specializing in power infrastructure, high-voltage substations, industrial electrical installations, and electrical equipment manufacturing.

The company's engineering heritage dates back to 1961. Building on decades of accumulated expertise, Electrosevkavmontag has evolved into a multidisciplinary organization serving the power generation, transmission, distribution, mining, and industrial sectors.

Our scope covers electrical and civil engineering design, construction, installation, testing, commissioning, rehabilitation of electrical infrastructure, and selected manufacturing works.

The company has participated in major power and industrial projects in Armenia and in selected international assignments, working with leading equipment manufacturers, engineering companies, and EPC contractors.

Our reference experience includes substations up to 220 kV, power transmission infrastructure, industrial electrification systems, power transformer rehabilitation, and electrical works for hydropower plants, thermal power plants, and mining facilities.



OUR MILESTONES

1961
Engineering heritage begins

1995
Reorganized as a privately owned company

Today
Multidisciplinary power engineering contractor



COMPANY AT A GLANCE

AAEEE “Electrosevkavmontag” is a trusted engineering partner delivering reliable power engineering and electrical infrastructure solutions since 1961. We combine decades of experience with modern capabilities to support the development of critical energy infrastructure across Armenia and the region.

AAEEE
“Electrosevkavmontag”

POWER ENGINEERING &
ELECTRICAL INFRASTRUCTURE SOLUTIONS

ENGINEERING HERITAGE
Since 1961

COMPANY BASE
Armenia

CORE FOCUS
Power engineering and electrical infrastructure

VOLTAGE EXPERIENCE
LV, MV and HV systems

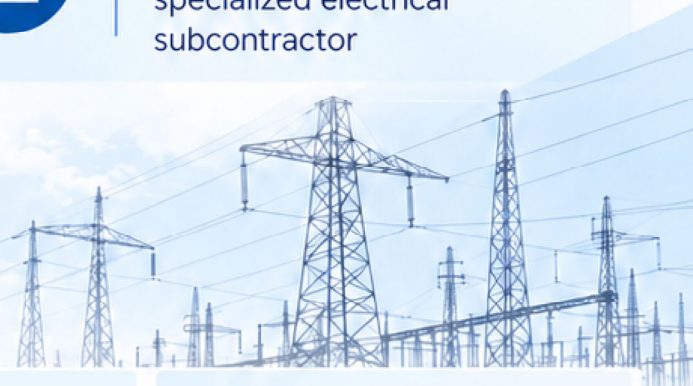
CONFIRMED REFERENCE EXPERIENCE
Substations up to 220 kV

KEY SECTORS
Power generation, transmission & distribution, mining, and industrial facilities

SERVICE PORTFOLIO
Design, civil works, installation, testing & commissioning, rehabilitation, and manufacturing

PROJECT ROLE
Engineering contractor and specialized electrical subcontractor

KEY CAPABILITIES



- Substation engineering and installation
- Transmission and cable infrastructure
- Industrial electrical systems
- Power transformer rehabilitation
- Testing and commissioning
- Manufacturing of selected electrical and steel structures

OUR CORE COMPETENCIES

AAEEE "Electrosevkavmontag" delivers integrated electrical engineering solutions across the entire lifecycle of power and industrial infrastructure projects, combining engineering expertise, construction capabilities, installation, testing and commissioning, rehabilitation, and specialized manufacturing.

DESIGN & ENGINEERING

Electrical and civil design for LV, MV and HV substations, transmission and cable lines, lighting systems, earthing and lightning protection.

CIVIL WORKS

Control buildings, equipment foundations, cable trenches and channels, and steel support structures for substations and electrical installations.

INSTALLATION WORKS

Installation of primary equipment, switchgear, transformers, protection and control systems, power and control cables, and auxiliary systems.

TESTING & COMMISSIONING

Testing and commissioning of substations, transformers, protection systems, relay schemes, automation, and cable systems.

REHABILITATION & REPAIR

Rehabilitation and modernization of substations and electrical infrastructure, transformer-related works, oil treatment, and refurbishment of existing systems.

MANUFACTURING

Manufacturing of selected electrical equipment, steel structures, equipment supports, cable racks, and non-standard electrotechnical components.



ENGINEERING & DESIGN

AAEEE "Electrosevkavmontag" provides engineering and design services for power and industrial infrastructure, including HV, MV and LV substations and associated electrical systems. Our design experience covers new construction, rehabilitation and modernization projects, integrating electrical, civil and structural engineering disciplines to support reliable project delivery.

KEY CAPABILITIES

PRIMARY ELECTRICAL DESIGN
Single-line diagrams, equipment layouts, busbar arrangements and main electrical design for HV, MV and LV substations.

SECONDARY SYSTEMS DESIGN
Protection and control schematics, measurement circuits, automation interfaces and communication systems.

CIVIL & STRUCTURAL DESIGN
Control buildings, foundations, cable trenches and support structures for substation equipment.

CABLE & AUXILIARY SYSTEMS
Cable routing, lighting, grounding, earthing and lightning protection systems.

ENGINEERING DOCUMENTATION
Detailed design drawings, specifications, equipment schedules and as-built documentation.

DESIGN COORDINATION
Integrated coordination with clients, contractors, suppliers and project teams.

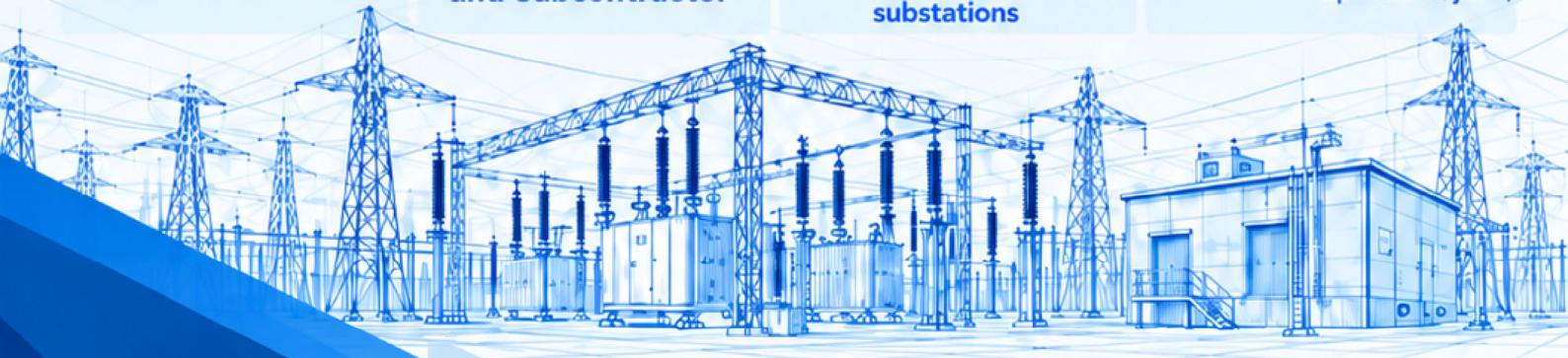
REFERENCE PROFILE

Design references up to **220 kV**

Experience as **General Contractor and Subcontractor**

Project portfolio across **220 kV, 110 kV and 6/0.4 kV substations**

Representative references include **Yerevan CCPP-2, Hrazdan HPP, RUSAL-Armenal, Zvartnots International Airport** and **Voxji HPP.**



POWER SUBSTATIONS & TRANSMISSION INFRASTRUCTURE

Engineering, Construction and Modernization

AAEEE "Electrosevkavmontag" provides comprehensive solutions for high-, medium- and low-voltage substations and associated transmission infrastructure. We deliver design, construction, installation, testing and commisssioning, as well as modernization and rehabilitation of substations up to 220 kV.

KEY CAPABILITIES

SUBSTATION ENGINEERING
- Design and engineering
- Primary and secondary systems
- Civil and structural design

CONSTRUCTION AND INSTALLATION
- Erection of substation equipment
- Cable systems and busbars
- Auxiliary systems

MODERNIZATION AND REHABILITATION
- Upgrade of existing substations
- Replacement of equipment
- Extension of substation capacity

TESTING AND COMMISSIONING
- Comprehensive testing
- Commissioning up to 220 kV in accordance with international standards

TRANSMISSION INFRASTRUCTURE
- Overhead and cable power lines
- Route surveys and design
- Integration with substations

OPERATION SUPPORT
- Technical support
- Maintenance
- Spare parts supply

VOLTAGE LEVELS

220 kV
New construction, modernization and rehabilitation

110 kV
New construction, modernization and rehabilitation

6–35 kV
Distribution and industrial substations

0.4 kV
Compact and industrial substations



SELECTED SUBSTATION PROJECTS

Proven Experience in Power Infrastructure

AAEEE "Electrosevkavmontag" has successfully implemented substation projects for utilities, industrial facilities, mining operations and transport infrastructure. Our experience covers new construction, rehabilitation, extension and modernization of high-, medium- and low-voltage substations up to 220 kV.

01 YEREVAN CCPP-2 SUBSTATION 220 kV



- Voltage level: **220 kV**
- Project / EPC Contractor: **Renco S.p.A. (Italy)**
- Contracting Party: **Artashat ENC LLC (Armenia)**
- Our role: **Electrical Contractor**
- Period: **2019 – 2021**

Construction of 220 kV switchyard for Yerevan Combined Cycle Power Plant (CCPP-2), including installation, testing and commissioning of primary and secondary equipment, protection and control systems.

02 SHAMB HPP SUBSTATION 220 kV



- Voltage level: **220 kV**
- EPC Contractor: **EFACEC (Portugal)**
- Our role: **Subcontractor**
- Period: **2018 – 2021**

Construction of 220 kV switchyard for Shamb Hydropower Plant, including installation of primary equipment, cable systems, auxiliary systems and commissioning support.

03 SPANDARYAN HPP SUBSTATION 220 kV



- Voltage level: **220 kV**
- EPC Contractor: **EFACEC (Portugal)**
- Our role: **Subcontractor**
- Period: **2018 – 2021**

Construction of 220 kV switchyard for Spandaryan Hydropower Plant, including installation of primary and secondary equipment, cable systems and commissioning support.

04 KASHEN COPPER MINE SUBSTATION 110 kV



- Voltage level: **110 kV**
- EPC Contractor: **EFACEC (Austria)**
- Our role: **Subcontractor**
- Period: **2014 – 2015**

Construction of 110 kV substation for Kashen copper mine, including installation of primary and secondary equipment, protection and control systems.

05 TATEV HPP SUBSTATION 110 kV



- Voltage level: **110 kV**
- Client / EPC Contractor: **EFACEC Engenharia e Sistemas, S.A. (Portugal)**
- Our role: **Subcontractor**
- Period: **2018 – 2021**

Rehabilitation of the 110 kV switchyard for Tatev Hydropower Plant, including installation of primary and secondary equipment, cable systems and commissioning support.

INDUSTRIAL & MINING ELECTRIFICATION

Reliable Solutions for Demanding Industries

AAEEE "Electrosevkavmontag" provides comprehensive electrical solutions for industrial facilities and mining operations, including power supply systems, internal distribution networks, transformer substations, process electrification and auxiliary systems. We deliver reliable and efficient infrastructure designed for continuous operation in challenging environments.

KEY CAPABILITIES

Industrial Electrical Infrastructure
Power supply and distribution systems for industrial facilities

Mining Electrification
Tailored solutions for open-pit and underground mines

Heavy-Duty Environments
Reliable performance in demanding operating conditions

Integrated Approach
From design to commissioning with minimal downtime for the client

TYPICAL SCOPE OF WORKS

- Engineering and detailed design
- Supply of transformer substations and distribution equipment
- Internal and external power supply networks
- Electrification of process equipment (crushers, conveyors, pumps, ventilation, etc.)
- Control, protection, metering and SCADA systems
- Installation, testing, commissioning and performance verification

APPLICATIONS

MINING OPERATIONS
Open-pit and underground mines, processing plants and associated infrastructure

INDUSTRIAL FACILITIES
Metallurgy, cement, manufacturing and other heavy industries

PROCESS PLANTS
Electrification of technological equipment and auxiliary systems

INFRASTRUCTURE
Water supply, pumping stations, ventilation systems and other utilities



SELECTED INDUSTRIAL & MINING PROJECTS

Selected References in Industrial Power Infrastructure

Selected assignments covering mine power supply, overhead line reconstruction, industrial substations, electrical installation, and commissioning.

01

GPM GOLD — ARARAT GOLD MINE

6 kV Overhead Line Reconstruction | Phases I–II

Dismantling of existing line; installation of concrete poles, disconnectors, grounding, outdoor equipment and commissioning.

CLIENT
GPM Gold LLC

PERIOD 2024–2025

ROLE
Contractor

02

ARARAT CANNING FACTORY

10/0.4 kV Industrial Substation

Installation and assembly of 10 kV and 0.4 kV switchgear, busbars, power cables, lighting and commissioning.

CLIENT
Ararat Canning Factory LLC

PERIOD 2024–2025

ROLE
General Contractor

03

ATENK FACTORY

35 kV Industrial Substation

35 kV switching equipment, 35/0.4 kV 2,500 kVA transformer, LV distribution, structures, grounding and commissioning.

CLIENT
Atenk LLC

PERIOD 2023–2024

ROLE
General Contractor

04

AMULSAR GOLD MINE

110 kV Substation — Installation Supervision

Supervision of 110 kV equipment and steel-structure installation; testing and commissioning of switchyard, protection and automation.

CLIENT
Lydian Armenia CJSC

PERIOD 2018

ROLE
Installation Supervision & Commissioning



ELECTRICAL EQUIPMENT MANUFACTURING

Custom-Built Solutions for Reliable Power Distribution

AAEEE "Electrosevkavmontag" manufactures electrical equipment for power distribution, control and automation for industrial, commercial and infrastructure projects, covering both low-voltage and medium-voltage solutions up to 10 kV. Our production combines high-quality components, modern manufacturing processes and strict quality control to ensure reliability, safety and compliance with international standards.

MITSUBISHI ELECTRIC
FACTORY AUTOMATION

Official Distributor and System Integrator of Mitsubishi Electric Factory Automation

Integrating Mitsubishi Electric Factory Automation technologies into our solutions for reliable and efficient power infrastructure.

Cooperation with Lucy Electric

Lucy Electric

OUR CAPABILITIES

- Design and manufacturing of low-voltage and medium-voltage electrical equipment, including 10 kV switchgear
- Tailored solutions for project requirements
- Quality control and routine testing in accordance with international standards
- Integration of protection, control, metering and SCADA systems

PRODUCT RANGE

- **LV Switchgear and Distribution Boards (LVPDB)**
  Up to 4,000 A, 0.4 kV
- **MV Switchgear / 10 kV Switchgear Cabinets (MV)**
  Up to 10 kV
- **Motor Control Centers (MCC)**
  Up to 4,000 A, 0.4 kV
- **Control, Protection and Automation Panels**
  Including PLC, SCADA and metering systems
- **Auxiliary and Local Panels**
  For industrial and infrastructure applications
- **Busbar Systems / Power Distribution Solutions**
  Busbar trunks, risers and custom busbar systems

KEY FEATURES

- Reliable and durable design
- Use of high-quality components (Mitsubishi Electric Factory Automation and other leading brands)
- Compliance with IEC standards
- Flexible design for specific project requirements
- Full factory testing before delivery



POWER TRANSFORMER SERVICES

Diagnostics · Rehabilitation · Overhaul · Testing

AAEEE “Electrosevkavmontag” provides diagnostics, capital repairs, oil treatment and testing of power transformers for energy, railway and industrial applications. Our completed projects include 110 kV transformers rated up to 31.5 MVA.

KEY CAPABILITIES

DIAGNOSTICS & ASSESSMENT

Electrical measurements, condition assessment and fault identification.

CAPITAL REPAIRS

Repair of active parts, winding systems, bushings and tap changers.

TRANSFORMER OIL

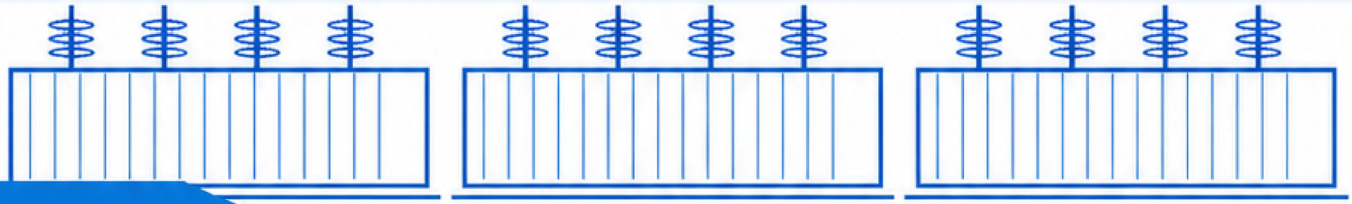
Dehydration, degassing, filtration and oil filling as required.

TESTING & RECOMMISSIONING

Post-repair testing, verification and return to service.

SELECTED TRANSFORMER REFERENCES

31.5 MVA / 110 kV	**MEK CJSC · 2019**	Capital overhaul and testing
16 MVA / 110 kV	**South Caucasus Railway · 2020**	Capital repair, winding replacement
10 MVA / 110 kV	**South Caucasus Railway · 2021**	Overhaul and commissioning
6.3 MVA / 35/0.8 kV	**Solar-5 LLC · 2023**	Repair, oil processing, cooling system



TESTING & COMMISSIONING

HIGH-VOLTAGE SUBSTATIONS UP TO 220 kV

AAEEE “Electrosevkavmontag” performs electrical testing, pre-commissioning, commissioning and functional verification of high-, medium- and low-voltage power systems. Our experience includes testing and commissioning work on 220 kV substation projects.

220 kV
HV SUBSTATIONS
Testing and commissioning

HV / MV / LV
ELECTRICAL SYSTEMS
Equipment and cables

PROTECTION
CONTROL & SCADA
Functional verification

KEY CAPABILITIES

PRIMARY HV EQUIPMENT
Circuit breakers, disconnectors, instrument transformers and busbar systems.

POWER TRANSFORMERS
Electrical measurements, insulation assessment and post-repair verification.

PROTECTION & CONTROL
Protection relays, interlocking, control circuits and secondary systems.

CABLE SYSTEMS
Insulation testing, continuity, phasing and cable-system checks.

AUTOMATION & SCADA
Signal verification, interfaces and functional testing of automation systems.

INTEGRATED COMMISSIONING
Pre-energization checks, system tests, commissioning and handover.

SELECTED REFERENCES

YEREVAN CCPP-2
220 kV SUBSTATION
2019-2021
Renco S.p.A. / Artashat ENC LLC

SHAMB HPP
220 kV SUBSTATION
2018-2021
EFACEC Engenharia e Sistemas

SPANDARYAN HPP
220 kV SUBSTATION
2018-2021
EFACEC Engenharia e Sistemas

TATEV HPP
110 kV SUBSTATION
2018-2021
EFACEC Engenharia e Sistemas, S.A.

SELECTED MAJOR PROJECTS

High-Voltage & International EPC Projects

AAEEE "Electrosevkavmontag" has successfully delivered complex high-voltage and international EPC-related assignments in power transmission and substation infrastructure, combining installation, rehabilitation, testing and commissioning expertise.



Yerevan CCPP-2

Construction of New 220 kV Substation

Project / EPC Contractor:
Renco S.p.A. (Italy)

Contracting Party:
Artashat ENC LLC (Armenia)

Our Role:
Electrical Contractor

Period:
2019–2021

Key scope:

- Installation of 220 kV power and commutation equipment
- Installation of steel structures
- Supply and installation of control and power cables
- Supply and installation of marshaling kiosks, post insulators and AC/DC panels
- Earthing, lightning protection, external lighting and commissioning works



Shamb HPP

Rehabilitation of 220 kV Substation

Client:
EFACEC Engenharia e Sistemas, S.A. (Portugal)

Role:
Subcontractor

Period:
2018–2021

Key scope:

- Reconstruction of 220 kV switchyard
- Overhaul and repair of 220/6.3 kV, 125 MVA power transformer
- Installation and testing of high-voltage equipment
- Protection, control and SCADA systems
- Commissioning and performance tests



Spandaryan HPP

Rehabilitation of 220 kV Substation

Client:
EFACEC Engenharia e Sistemas, S.A. (Portugal)

Role:
Subcontractor

Period:
2018–2021

Key scope:

- Rehabilitation of 220 kV substation infrastructure
- Installation of high-voltage and auxiliary equipment
- Protection, control and SCADA systems
- Testing and commissioning



SELECTED MAJOR PROJECTS

Industrial, Thermal Power & Engineering Projects

AAEEE "Electrosevkavmontag" also has strong experience in mining and industrial electrification, thermal power infrastructure and engineering assignments for international energy projects.



Amulsar Gold Mine

Construction of 110 kV Substation

- Client: Lydian Armenia CJSC (Armenia)
- Role: Installation Supervision & Commissioning
- Period: 2018

Key scope:

- Supervision of installation of 110 kV power and switching equipment
- Supervision of installation of steel structures
- Comprehensive commissioning of substation power and switching equipment
- Comprehensive commissioning of relay protection and automation systems



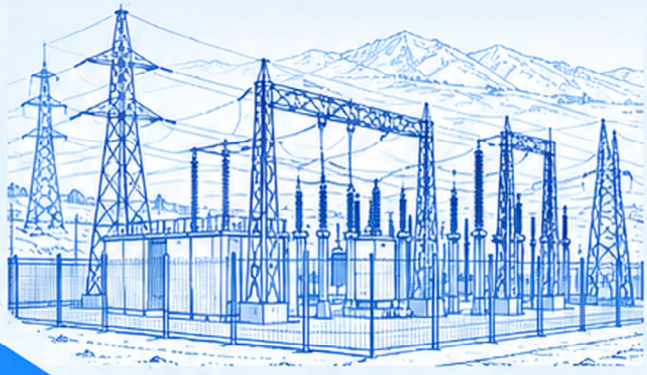
Hrazdan TPP Unit No. 5

Construction of 10 kV Substations

- Client: Hrazdan 5 PIO EBRD (Armenia)
- Role: General Contractor
- Period: 1998–2000

Key scope:

- Construction of 10 kV substations for Unit No. 5
- Power supply infrastructure for thermal power facilities
- Electrical installation and auxiliary systems



Selected Engineering Projects in Albania

Slabinje 10/110 kV & Llanga 35/110 kV Substations

- Client: Siapro Hydro Power
- Role: Engineering / Design
- Period: 2017–2018

Key scope:

- Primary electrical engineering
- Secondary systems engineering
- Civil and structural design
- Protection and control documentation
- Engineering support during implementation

CLIENTS, TECHNOLOGY COOPERATION & QUALITY MANAGEMENT

Documented experience. Verified cooperation. Certified management.

SELECTED CLIENTS

- ABB Utilities GmbH (Germany)
- SIEMENS AG (Austria)
- Siapro Hydro Power GesmbH (Austria)
- Renco S.p.A. (Italy)
- Armenia International Airports CJSC (Armenia)
- South Caucasian Railroad CJSC (Armenia)
- GPM Gold LLC (Armenia)
- RUSAL-Armenal CJSC (Armenia)
- MEK CJSC (Armenia)
- Ararat Canning Factory LLC (Armenia)

TECHNOLOGY COOPERATION

Mitsubishi Electric Factory Automation
Official Distributor and System Integrator

Lucy Electric
Cooperation

Andritz Hydro (Austria)
Official representative in Armenia

QUALITY MANAGEMENT

ISO 9001:2015
Quality Management

Valid until
15 September 2029

ISO 14001:2015
Environmental Management

Valid until
14 April 2029

ISO 45001:2018
Occupational Health & Safety

Valid until
27 September 2029

Certified scope: Design, supply, installation and commissioning of LV, MV and HV electrotechnical equipment, systems and overhead lines (OHL).

CONTACT INFORMATION

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Power Engineering & Electrical Infrastructure Solutions

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