

# Power Equipment for the US Grid.

Power transformers · dry-type · distribution · reactors · substation integration — designed to IEEE C57, manufactured in vertically integrated Eastern European facilities, delivered in 3 to 10 months under US contract structures.

MAX CLASS <b>765 kV</b> 800 MVA	LEAD TIME <b>3-10months</b> Class-dependent	FOOTPRINT <b>2,500staff</b> 9 specialized plants	EXPORT <b>35countries</b> Since 1961
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## 01 - WHO WE ARE

### Sixty-five years of high-voltage manufacturing – now under US contract.

FOUNDED  
**1961**

ATEF Group is one of the largest privately held power equipment manufacturers in Eastern Europe and the Caspian. The group operates nine specialized plants across Azerbaijan and Ukraine, employs more than 2,500 staff, and has supplied transformers and substation equipment to over 35 countries since 1961.

ATEF Energy, Inc. is the group's North American operating company, established in 2026 and headquartered in Miami, Florida. It serves US utilities, IPPs, data center operators, EPC contractors, and industrial customers as the contracting counterparty for all US business.

Production scope ranges from 34.5 kV distribution transformers through 765 kV / 800 MVA generator step-up and HVDC converter transformers — designed to IEEE C57, ANSI, and NEMA, with project-specific KEMA and CESI type-test reports.

## 02 - AT A GLANCE

### Nine facts that define the company.

01 / GROUP FOUNDED <b>1961</b> ATEF Group, Baku	02 / ATEF ENERGY <b>2026</b> US contracting entity, Miami FL	03 / MANUFACTURING <b>Baku + Hust</b> Azerbaijan · Ukraine
04 / WORKFORCE <b>2,500+</b> Engineering, production, QA	05 / SPECIALIZED PLANTS <b>9</b> Across two countries	06 / MAX PRODUCTION CLASS <b>765 kV / 800 MVA</b> Power transformers
07 / DESIGN STANDARDS <b>IEEE C57 ANSI · NEMA</b> Also IEC 60076 worldwide	08 / QUALITY SYSTEMS <b>ISO 9001 14001 · 45001</b> Quality · Environment · Safety	09 / EXPORT FOOTPRINT <b>35</b> Countries · since 1961

## 03 - PRODUCTION CAPACITY

### Annual capacity across five voltage classes.

VOLTAGE CLASS	RELATIVE CAPACITY	UNITS / YR	LEAD TIME
765 kV	<div style="width: 10%;"></div>	8	7-10 MONTHS
500 kV	<div style="width: 15%;"></div>	12	7-10 MONTHS
345 kV	<div style="width: 30%;"></div>	26	5-6 MONTHS
115 kV	<div style="width: 50%;"></div>	50	5-6 MONTHS
34.5 kV	<div style="width: 100%;"></div>	100	3-5 MONTHS

PER YEAR / GROUP WIDE SUBJECT TO SLOT AVAILABILITY

## 04 - PRODUCT PORTFOLIO

### Five product lines, one engineering team.

P / 01 <b>Power Transformers</b>	Up to 765 kV / 800 MVA. Power transformers, autotransformers, generator step-up units, HVDC converter transformers. Hermetically sealed designs available for environmentally sensitive sites.	CLASS <b>765 kV</b>
P / 02 <b>Cast-Resin Dry-Type Transformers</b>	Up to 12 MVA / 35 kV. Epoxy-encapsulated windings for indoor substations, data centers, hospitals, and any installation where fire load or oil leakage is unacceptable. F / H / C insulation classes.	CLASS <b>35 kV</b>
P / 03 <b>Distribution Transformers</b>	Up to 10 MVA / 35 kV. Pad-mounted and pole-type units for utility distribution, commercial buildings, light industrial. Aluminum or copper conductor with low-loss amorphous core options.	CLASS <b>35 kV</b>
P / 04 <b>Reactors</b>	Up to 500 kV. Shunt reactors, current-limiting series reactors, smoothing reactors for HVDC, neutral grounding reactors. Oil-immersed and dry-type configurations for transmission system stability.	CLASS <b>500 kV</b>
P / 05 <b>Substation Equipment Integration</b>	Integrated packages: switchgear, busbar, protection & control, SCADA-ready panels. Coordinated with our transformers for indoor, outdoor, and mobile substation deliveries up to 345 kV.	CLASS <b>345 kV</b>

## 05 - MANUFACTURING FOOTPRINT

### Two industrial complexes, one supply chain.

<b>Baku Industrial Complex</b> Azerbaijan Group headquarters and primary manufacturing site for power transformers up to 765 kV, dry-type transformers, distribution units, and reactors. Houses the Sumpayit foundry-derived steel processing line, winding shops, vacuum encapsulation tanks, and full HV testing bay.	<b>ATEF-Ukraine Facility</b> Hust, Zakarpattia Specialized substation equipment and switchgear plant in western Ukraine. GEORG-equipped processing lines, medium-voltage switchgear assembly, protection panel integration. Geographic redundancy for European deliveries.
Plants: 7	Plants: 2
Workforce: ~1,000	Workforce: ~700
Max class: 765 kV / 800 MVA	Equipment: GEORG Line

## 06 - VERTICAL INTEGRATION

### Core processes – in-house, under one roof.

<b>STEP 01</b> <b>Steel core</b> Grain-oriented silicon steel processed on GEORG cut-to-length lines.	<b>STEP 02</b> <b>Winding</b> Copper and aluminum windings on automated and manual stations.	<b>STEP 03</b> <b>Tank fabrication</b> Heavy steel fabrication, welding, painting in-house.	<b>STEP 04</b> <b>Assembly &amp; oil treatment</b> Critical-asset documentation, chain-of-custody records, and identifiable serial tracking for utility CIP-014 compliance dossiers.	<b>STEP 05</b> <b>HV testing</b> HighVolt & OMICRON test bay — routine type tests per IEEE C57.12.01.
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## 07 - SUPPLY CHAIN - FEOC

### Designed to clear the FEOC bar for US grid procurement.

<b>NDAA Section 889</b> No covered telecommunications equipment or services in delivered hardware; supplier attestations on file for federal-eligible procurement.	<b>IRA 30D - 45X - 48C</b> Material origin documentation supports Inflation Reduction Act domestic content and advanced energy project credits where applicable.
<b>IJIA Build America Buy America</b> Project-specific BABA compliance reviewed at quotation; waivers and partner-mill sourcing routes evaluated per contract.	<b>NERC CIP-014</b> Critical-asset documentation, chain-of-custody records, and identifiable serial tracking for utility CIP-014 compliance dossiers.

## 08 - STANDARDS & TESTING

### Designed to IEEE, tested by KEMA and CESI.

<b>A DESIGN</b>	<b>IEEE C57</b> Standards we engineer to.	<b>IEEE C57 series</b> ANSI	<b>NEMA TR1 / TR2</b> IEC 60076	CURRENT REV · 2024
<b>B TYPE TEST</b>	<b>KEMA · CESI</b> Independent labs sign off.	<b>KEMA</b> — IEC 60076-11 <b>CESI</b> — short-circuit	<b>IEEE C57.12.91</b> FAT witnessed	ISO/IEC 17025
<b>C QUALITY</b>	<b>ISO 9001</b> Systems certified group-wide.	<b>ISO 9001</b> — Quality <b>ISO 14001</b> — Environment	<b>ISO 45001</b> — H & S Group-wide cover	RE-AUDITED · 2025
<b>D MEASUREMENT</b>	<b>OMICRON</b> Calibrated test bay.	<b>HighVolt HV sets</b> <b>OMICRON CPC - FRA</b>	<b>GEORG core processing</b> Routine + special tests	TRACEABLE · NIST

## 09 - TESTING LABORATORY

### Inside the HV test bay.

<b>L / 01 - IMPULSE TEST</b> ATEF power transformer under HighVolt lightning impulse test — Baku HV bay.	<b>L / 02 - HV LINE TESTING</b> Switchgear and porcelain insulator bank under routine dielectric testing.	<b>L / 03 - CONTROL ROOM</b> OMICRON + LMOS measurement systems with operator-witnessed acquisition.
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## 10 - SELECTED REFERENCES

### Where the equipment is running.

R / 01 <b>Kozloduy Nuclear Power Plant</b>	Generator step-up power transformers for Bulgaria's largest nuclear facility. Long-cycle utility-grade specification with full IEEE type tests.	BULGARIA
R / 02 <b>BP Jabrayil 330 kV Substation</b>	High-voltage transformers and reactors for BP's onshore reconstruction substation in liberated territories — oil & gas major reference.	AZERBAIJAN
R / 03 <b>Kyiv Pumped Storage</b>	Generator transformers for one of the largest pumped-storage facilities in Eastern Europe — reversible duty cycle, hydro-power specification.	UKRAINE
R / 04 <b>Yashma 330/220/110 kV Substation</b>	Multi-class autotransformer scope for Azerbaijan's transmission backbone — coordinated delivery with substation integration package.	AZERENERGY
R / 05 <b>Baku-Tbilisi-Kars Railway</b>	Traction-class transformers and substation equipment for the cross-border railway corridor — rail electrification reference.	REGIONAL
R / 06 <b>National Utility Programs</b>	Recurring distribution and pad-mount programs for utility customers across 35 export markets, with replacement-cycle long-term agreements.	35 COUNTRIES

## 11 - INDUSTRIES SERVED

### Six US markets, ready for engagement.

I / 01 <b>Utilities &amp; T&amp;D</b> Investor-owned utilities, cooperatives, and public power — replacement programs and new substation builds.	I / 02 <b>Data Centers</b> Hyperscale and colo — dry-type for IT rooms, pad-mount and substation packages for campus utility tie-ins.	I / 03 <b>Renewables</b> Solar and wind GSU transformers, collector substations, and reactors for IPPs and EPC contractors.
I / 04 <b>BESS &amp; Microgrids</b> Inverter-duty transformers and integration packages for battery storage and behind-the-meter projects.	I / 05 <b>Heavy Industrial</b> Mining, steel, cement, oil & gas, chemicals — process-duty units, hermetically sealed designs, mobile substations.	I / 06 <b>EPC Contractors</b> Engineered packages with coordinated transformer + substation scope, single-vendor accountability.

## 12 - COMMERCIAL TERMS

### Engagement, warranty, and how money moves.

<b>A - ENGAGEMENT MODEL</b> <b>Five-step contract path</b> <ol style="list-style-type: none"> <li>RFO + technical scoping</li> <li>Quotation with type-test reports</li> <li>Purchase order to ATEF Energy, Inc.</li> <li>FAT witnessed at factory</li> <li>DDP delivery to US site</li> </ol>	<b>B - WARRANTY &amp; SERVICE</b> <b>36-month standard cover</b> Manufacturer warranty 36 months from energization or 42 months from shipment, whichever comes first. Extended warranties available by contract. <table border="1"> <tr> <td>Field service</td> <td>US-based partner</td> </tr> <tr> <td>Spare parts</td> <td>Stocked in US</td> </tr> <tr> <td>Commissioning</td> <td>On-site assist</td> </tr> <tr> <td>Response SLA</td> <td>24 hours</td> </tr> </table>	Field service	US-based partner	Spare parts	Stocked in US	Commissioning	On-site assist	Response SLA	24 hours	<b>C - PROJECT FINANCING</b> <b>US-bank escrow structure</b> Funds are received and disbursed via a US-based escrow account against milestones. Standard payment terms align with industry expectations for transformer manufacturing. <table border="1"> <tr> <td>Down payment</td> <td>30%</td> </tr> <tr> <td>Material milestone</td> <td>30%</td> </tr> <tr> <td>FAT acceptance</td> <td>30%</td> </tr> <tr> <td>Site delivery</td> <td>10%</td> </tr> </table>	Down payment	30%	Material milestone	30%	FAT acceptance	30%	Site delivery	10%
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## 13 - CONTACT

### Send the spec. We'll send the quote.

<b>US OPERATING COMPANY</b> <b>ATEF Energy, Inc.</b> 1221 Brickell Avenue Miami, FL 33131 United States <a href="#">Request a Quote</a> <a href="#">Download PDF</a>	<b>SALES - QUOTES</b> <b>sales@atefenergy.com</b> RFQ packets, commercial inquiries, lead-time confirmations <b>ENGINEERING</b> <b>engineering@atefenergy.com</b> Specification review, type-test reports, technical questions
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