

Company Profile

2024

Engineering the Future Together

Empowering sustainable progress through innovative engineering solutions and a commitment to excellence, VoltTech Engineering is shaping the energy infrastructure of tomorrow.

VoltTech Engineering

VoltTech Engineering delivers innovative, end-to-end energy infrastructure solutions with a focus on sustainability, precision, and excellence.



EXECUTIVE SUMMARY

VoltTech Engineering, based in Uzbekistan, is a leading provider of integrated electrification solutions. Formed through a strategic partnership with Bargi Sabz, a prominent transmission tower manufacturer, we combine in-house manufacturing with world-class consulting and engineering services to deliver end-to-end infrastructure projects. Our focus on sustainability, innovation, and local expertise allows us to meet complex demands while ensuring efficiency and cost-effectiveness.

Core Services

• Engineering & Design:

• Tailored solutions for transmission lines, substations, and civil infrastructure, designed with sustainability and regulatory compliance in mind.

• Project Management & Execution:

• Full project lifecycle management, ensuring timely delivery, cost control, and adherence to the highest safety standards.

• Manufacturing & Maintenance:

• In-house manufacturing of custom transmission towers and ongoing maintenance to guarantee long-term reliability of energy infrastructure.

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1. Company Overview

Who are we?

VoltTech Engineering is a leading provider of integrated energy infrastructure solutions, based in Uzbekistan. Our company was born out of the desire to expand beyond the production of transmission towers, building on the deep expertise of **Bargi Sabz**, a well-established player in the electrification sector. Through a strategic partnership with an international team of consultants and engineers, we now offer end-to-end services, from engineering and consulting to in-house procurement and manufacturing.

With a unique combination of local expertise and global innovation, VoltTech Engineering is committed to delivering sustainable, high-quality electrification projects that not only solve today's challenges but also pave the way for future progress.

Bargi Sabz

Bargi Sabz is a highly respected manufacturer of steel structures, including transmission towers, based in Tashkent, Uzbekistan. With a long-standing reputation for excellence in the industrial sector, the company has successfully completed numerous multimillion-dollar projects, even in the most challenging terrains. As a key player in Uzbekistan's electrification sector, Bargi Sabz provides the in-house manufacturing capabilities that give VoltTech Engineering a critical edge in project execution.

Their expertise extends from steel structure fabrication to complex industrial projects, making them an essential part of VoltTech's ability to deliver integrated, streamlined solutions for energy infrastructure.

Bargi Sabz

Powering Progress through Precision Manufacturing

Overview

Bargi Sabz is a premier industrial manufacturer based in Tashkent, Uzbekistan, specializing in the production of steel structures, including transmission towers, and the execution of complex industrial projects. Founded in 2018, the company has quickly grown into a key player in Uzbekistan's electrification sector, with a focus on delivering high-quality, sustainable solutions. Managed by a team of qualified Uzbek and expatriate engineers, along with experienced managers and finance professionals, Bargi Sabz provides end-to-end engineering solutions to both government and non-government entities.

Key Services and Expertise

Steel Structure Fabrication

Expertise in the design, fabrication, and installation of complex steel structures for industrial, commercial, and residential projects.

Food Processing Units

Setting up small to medium-sized food processing units, including those for flour, pasta, cookies, fruit, and beverages..

Transmission Tower Production

Manufacturing high-quality transmission towers that are integral to the development of energy infrastructure in Uzbekistan.

Residential and Commercial Projects

Execution of construction projects from concept to commissioning, including residential housing and commercial buildings.

Construction Material Manufacturing

Production of construction materials such as bricks, gravel, and other essential building components.

Operation and Maintenance (O&M)

Providing technical know-how and trial runs to ensure the long-term sustainability of projects, along with post-completion operational support for clients.

Special Proj<mark>ects</mark>

Bargi Sabz has successfully completed numerous complex infrastructure projects, often in difficult terrains, showcasing their capability to deliver precision-engineered solutions under challenging conditions. Some of their notable projects include:

- Steel Bridges: Construction of seven steel bridges at Salang Pass.
- PEB (Pre-Engineered Buildings) and K-Span Buildings: Advanced building solutions for various sectors.
- Light Gauge Steel Structures: Used for residential housing and antenna construction.
- Skylights and Structural Frames: Fabrication and installation of structural steel frames and skylights for large buildings.

Commitment to Quality and Safety

Bargi Sabz places a strong emphasis on quality assurance and safety. The company's robust quality control measures ensure that all projects meet international standards, even in the most complex environments. Their technical team, comprised of seasoned professionals, is dedicated to delivering projects with the highest levels of precision, safety, and client satisfaction.

Annual Turnover:

Achieving an annual turnover of USD 30 million, reflecting the company's financial strength and market leadership.

Bargi Sabz is not just a manufacturer; it is a solutions provider dedicated to bringing innovative and sustainable infrastructure projects to life. With their in-house manufacturing capabilities, skilled technical team, and comprehensive approach to project management, Bargi Sabz ensures that every project is completed on time, within budget, and to the highest standards of quality and safety.

Their partnership with VoltTech Engineering further enhances their ability to provide turnkey electrification solutions, combining in-house production with advanced engineering and consulting services. This integrated approach allows for streamlined procurement, faster project execution, and a higher level of control over project outcomes.



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Our Philosophy



Our Mission

At VoltTech Engineering, our mission is to deliver innovative, sustainable, and efficient **electrification solutions that power progress in Uzbekistan** and beyond. By leveraging our unique combination of in-house manufacturing and expert consulting, we aim to provide end-to-end energy infrastructure services that meet the evolving needs of the region. We are committed to engineering excellence and reliability, ensuring that each project is delivered on time, within budget, and to the highest international standards. Our focus on sustainability drives us to integrate eco-friendly technologies and practices, reducing the environmental footprint of our operations and contributing to a greener future. At VoltTech, we believe in building the infrastructure today that powers the growth and development of tomorrow.



Our vision is to become the **leading provider of energy infrastructure solutions in Central Asia**, recognized for our unwavering commitment to quality, innovation, and sustainability. We aim to set new industry benchmarks by seamlessly integrating consulting, engineering, and manufacturing capabilities into a cohesive and highly efficient service offering. Through our expertise and forward-thinking approach, we strive to be at the forefront of the energy transition, enabling our clients to adopt cleaner, more sustainable energy solutions. As we grow, we will continue to foster strong partnerships with both local and international experts, ensuring that VoltTech Engineering remains a trusted partner in the transformation of the region's energy landscape.

\infty Our Motto

Our motto, "**Engineering excellence, empowering tomorrow**", perfectly captures the essence of VoltTech Engineering's philosophy. We believe that every solution we design and implement must address the challenges of today while laying the groundwork for a more sustainable and efficient future. By focusing on long-term impact, we ensure that our projects not only meet immediate needs but also contribute to the advancement of future generations.



Our **Core Values**



🖓 Integrity

Integrity is the cornerstone of everything we do at VoltTech Engineering. We believe that transparency and trust form the foundation of successful partnerships, both with our clients and within our teams. Every decision we make, from project planning to execution, is guided by our commitment to ethical practices and honesty. Our clients can trust that we will provide clear communication, uphold contractual commitments, and ensure that every aspect of the project is handled with the utmost professionalism. We believe that maintaining integrity fosters long-term relationships, and we work diligently to earn and retain the trust of all stakeholders.

Innovation

At VoltTech Engineering, innovation drives our approach to problem-solving and project execution. We are committed to staying ahead of industry trends and integrating the latest technologies into our projects. Whether it's through the use of digital twin technology, smart grid solutions, or sustainable building practices, we leverage cutting-edge methods to create future-proof infrastructure. Innovation for us is not just about adopting new technologies but about finding creative solutions to complex challenges, ensuring that we deliver value and efficiency in every project. Our goal is to continually push the boundaries of what's possible in energy infrastructure.

Quality

Quality is embedded in every facet of our operations. With our in-house production facilities, we maintain strict control over every component of the project, from design to final assembly. This ensures that every product we manufacture, every tower we erect, and every piece of infrastructure we develop meets the highest standards of durability, safety, and performance. We follow rigorous quality assurance processes, aligned with both local and international standards, to ensure that our clients receive reliable, long-lasting solutions. Our commitment to quality is not just about meeting expectations but exceeding them, delivering infrastructure that stands the test of time.

Sustainability

Sustainability is at the heart of our operations at VoltTech Engineering. We understand the critical role that energy infrastructure plays in shaping the future of our planet, and we are dedicated to minimizing our environmental impact. From integrating renewable energy sources into our projects to adopting energy-efficient building practices, we aim to create infrastructure that supports both economic growth and environmental preservation. Our sustainability efforts extend beyond the projects themselves to our daily operations, where we strive to reduce waste, conserve resources, and promote a culture of environmental stewardship. Our vision is to build a greener future, one project at a time.

Collaboration

Collaboration is the key to our success. At VoltTech Engineering, we believe that the best solutions emerge when diverse perspectives and expertise come together. Our teams of local and international professionals work in close cooperation, blending in-depth knowledge of Uzbekistan's unique infrastructure needs with world-class engineering and consulting practices. We encourage open communication, cross-functional teamwork, and the sharing of insights across all levels of our organization. By fostering a collaborative environment, we are able to deliver holistic, tailored solutions that meet the diverse needs of our clients and drive the success of every project.



Industry Expertise

At VoltTech Engineering, we bring deep expertise across a range of industries, providing specialized solutions to meet the unique challenges of each sector. With a focus on energy, construction, and industrial infrastructure, we ensure that our clients benefit from our extensive experience and commitment to delivering high-quality, sustainable solutions.

SECTORS WE SERVE



We specialize in the design, manufacturing, and maintenance of energy infrastructure, including transmission towers, substations, and power grids. Our solutions are tailored to meet the growing energy demands of Uzbekistan and the broader Central Asian region.



CONSTRUCTION

VoltTech Engineering plays a key role in supporting large-scale construction projects, providing steel structures, transmission towers, and civil infrastructure solutions. Our engineering and consulting teams work closely with clients to ensure that every project is executed with precision and efficiency.



INDUSTRIAL

Our expertise extends to the industrial sector, where we provide custom-built infrastructure to support manufacturing plants, industrial complexes, and large-scale production facilities. We bring advanced engineering and design solutions to complex industrial projects, ensuring durability and sustainability.

SPECIALIZED EXPERTISE



We design and manufacture custom steel structures that are critical to the success of large-scale energy and construction projects. Our in-house manufacturing capabilities allow us to control quality and ensure that every structure is built to withstand local environmental conditions.



Our transmission tower design and manufacturing services are at the core of our electrification projects. We produce towers that meet the highest safety and performance standards, ensuring reliable energy transmission for years to come.



INFRASTRUCTURE

With experience in delivering major infrastructure projects, including K-Span buildings and complex industrial facilities, VoltTech Engineering has the capability to take on projects of any size and complexity. We provide end-to-end solutions, from design and planning to execution and maintenance.



2. Our services

At VoltTech Engineering, we offer a comprehensive range of services that address every stage of the electrification project lifecycle. Our expertise is organized into three core service categories, ensuring that our clients receive innovative, efficient, and sustainable solutions tailored to their specific needs.



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1. Engineering & Design Services

Our engineering and design services focus on the meticulous planning, design, and regulatory compliance necessary for successful energy infrastructure projects. We specialize in transmission line design, substation architecture, and civil infrastructure planning, ensuring that every project meets both local and international standards. Additionally, our health, safety, and environmental (HSE) consulting services ensure that projects are executed with the highest levels of safety and sustainability in mind.

2. Project Management & Execution

We provide expert project management and execution services that guide our clients through each phase of their project, from initial planning to final completion. Our team ensures that projects remain on time and within budget, coordinating resources, managing risks, and maintaining strict adherence to safety protocols. Our construction supervision ensures that all builds are executed to the highest quality and safety standards, with a focus on efficient and timely delivery.



3. Manufacturing & Maintenance

VoltTech Engineering's in-house manufacturing capabilities allow us to deliver custom-designed transmission towers that meet the specific needs of each project. Our manufacturing process ensures durability, reliability, and fast delivery. Once projects are completed, our post-completion services provide ongoing maintenance and support to ensure the infrastructure continues to perform optimally throughout its operational life.



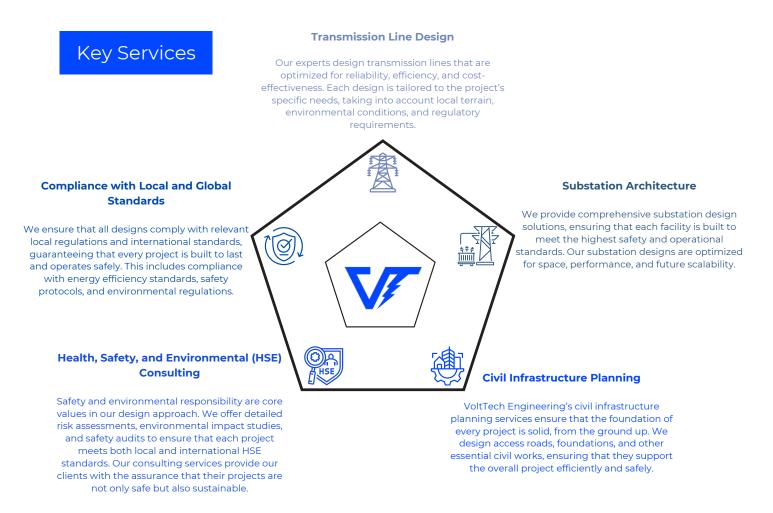
Engineering & Design Services

At VoltTech Engineering, our Engineering & Design Services are at the heart of every successful electrification project we undertake. With a team of highly skilled engineers and designers, we specialize in crafting tailored solutions that meet the unique demands of each project while adhering to the highest safety, efficiency, and sustainability standards. Our deep knowledge of local regulatory frameworks, combined with international best practices, allows us to deliver designs that are innovative, cost-effective, and reliable.

Our approach focuses on integrating cutting-edge technologies with sustainable design principles, ensuring that every project not only meets today's challenges but is built for the future. Whether designing transmission lines, substations, or supporting infrastructure, we ensure that every aspect of the design process is optimized for performance, safety, and environmental responsibility.

Sustainability in Design

VoltTech Engineering places a strong emphasis on sustainability in every design we create. We integrate eco-friendly practices, such as reducing material waste, optimizing energy efficiency, and incorporating renewable energy sources when possible. By prioritizing sustainability, we help our clients reduce their environmental impact while ensuring long-term operational efficiency and resilience.





Project Management & Execution Services

At VoltTech Engineering, our Project Management & Execution services ensure the seamless delivery of complex electrification projects from conception to completion. Our experienced project managers oversee every phase of the project lifecycle, ensuring that resources are allocated efficiently, risks are mitigated, and budgets are maintained. By leveraging both local and international expertise, we ensure that every project is executed with precision, on time, and within budget.

We provide a comprehensive approach to project management, incorporating cutting-edge tools and methodologies to ensure streamlined communication, effective coordination among stakeholders, and timely decision-making. Whether managing transmission line installations, substation construction, or large-scale infrastructure development, our team is committed to maintaining the highest standards of quality and safety.

Efficiency and Precision at Every Stage

VoltTech Engineering's Project Management & Execution services are designed to bring efficiency and precision to every phase of the project lifecycle. From resource planning to risk management and quality control, our team ensures that your electrification project is completed to the highest standards, on time, and within budget.

Key Services

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Construction Supervision

As part of our execution services, VoltTech Engineering provides on-site construction supervision to ensure that every project is built according to design specifications, safety standards, and quality protocols. Our supervision teams are present at every critical stage of construction, guaranteeing that work is carried out efficiently and meets the highest industry standards.

Stakeholder Coordination

We act as the central point of communication between clients, contractors, suppliers, and regulatory authorities, ensuring that all stakeholders are aligned and that the project progresses smoothly. Our focus on clear, transparent communication helps mitigate misunderstandings and delays.

Timeline Control and Monitoring

Our project managers use advanced scheduling tools to monitor progress, ensuring that key milestones are met and timelines are adhered to. By keeping a close eye on project schedules, we ensure timely delivery and avoid costly overruns.

Resource Allocation and Planning

We strategically allocate resources, ensuring that every aspect of the project is supported by the right expertise, equipment, and materials. Our meticulous planning process enables efficient use of resources while minimizing downtime and project delays.

Risk Assessment and Mitigation

VoltTech Engineering provides thorough risk assessments during the planning stages of each project. By identifying potential challenges and developing risk mitigation strategies, we help clients avoid costly disruptions and ensure smooth project execution.

Budgeting and Cost Management

Effective cost management is central to our project management services. We develop comprehensive budgeting plans and maintain strict financial oversight throughout the project lifecycle. Our goal is to ensure that every project stays on track financially without sacrificing quality or safety.



Manufacturing & Maintenance Services

VoltTech Engineering offers comprehensive Manufacturing & Maintenance services that support the full lifecycle of electrification projects. Our in-house manufacturing capabilities allow us to deliver custom-designed transmission towers and related infrastructure with unmatched quality and precision. By maintaining full control over the production process, we ensure that every product is built to meet specific project requirements, withstand local environmental conditions, and comply with all relevant safety standards.

Beyond manufacturing, our post-completion maintenance services guarantee the longevity and reliability of the infrastructure we help build. From routine inspections to emergency repairs, our maintenance team ensures that transmission towers, substations, and related energy infrastructure continue to operate efficiently long after installation.



Built to Last, Maintained for the Future

With VoltTech Engineering's Manufacturing & Maintenance services, clients can rest assured that their energy infrastructure is built to the highest standards of quality and performance. Our in-house production capabilities and comprehensive maintenance services ensure that your infrastructure not only meets today's demands but continues to perform reliably for years to come.



Custom Transmission Tower Design

VoltTech Engineering specializes in designing and manufacturing transmission towers that are tailored to the unique specifications of each project. Our engineering and design team works closely with clients to create structures that are optimized for durability, safety, and performance.

Longevity Assessments and Upgrades

To maximize the lifespan of energy infrastructure, VoltTech Engineering offers longevity assessments and system upgrades. Our experts evaluate the current condition of transmission towers and related infrastructure, recommending upgrades or modifications to extend their operational life and improve performance.

In-House Fabrication and Production

By handling the manufacturing process internally, we ensure full control over quality and timelines. Our state-of-the-art production facility allows us to fabricate transmission towers and related steel structures efficiently, ensuring that all components meet the highest standards of reliability and durability.

Quality Assurance and Stress Testing

Every transmission tower produced in our facility undergoes rigorous quality assurance checks and stress testing to ensure that it can withstand the specific environmental conditions of the project site. We maintain strict adherence to local and international safety standards throughout the production process.



Emergency Response and Troubleshooting

In the event of an unexpected issue, our emergency response teams are ready to act quickly. We provide rapid troubleshooting and repair services to minimize downtime and ensure that critical energy infrastructure is restored to full functionality as soon as possible.

Maintenance and Repair Services

We offer comprehensive maintenance services, including scheduled upkeep, repairs, and system upgrades. Our team is equipped to handle both routine maintenance tasks and complex repairs, ensuring that your infrastructure remains in optimal condition.

Fast Delivery and Assembly

Our streamlined production process allows us to deliver and assemble transmission towers quickly, ensuring that project timelines are met without compromising quality. Our on-site assembly teams work efficiently to install the towers, ensuring precise execution and adherence to engineering designs.

Routine Infrastructure Inspections

Regular inspections are key to maintaining the safety and efficiency of energy infrastructure. Our maintenance team conducts thorough inspections to identify any signs of wear, damage, or potential failure, ensuring that issues are addressed before they become major problems.



3. Competitive Advantage

VoltTech Engineering stands out as a leader in the electrification and infrastructure sectors due to our unique combination of local expertise, integrated services, and a commitment to sustainability.

We leverage advanced technology, in-house manufacturing capabilities, and a deep understanding of Uzbekistan's regulatory and environmental landscape to deliver projects that meet the highest standards of quality, efficiency, and innovation.

WHAT SETS US APART

Commitment to Sustainability 🖄

Sustainability is at the heart of our operations and informs every decision we make. Our commitment to eco-friendly solutions drives us to integrate energy-efficient designs, renewable energy sources, and sustainable materials into every project. This focus on sustainability not only reduces environmental impact but also ensures long-term efficiency and reliability for our clients.

Technological Integration

Driven by our sustainability goals, we adopt cutting-edge technologies to enhance the efficiency and effectiveness of our projects. We utilize tools such as digital twin technology for design optimization, drone-based monitoring for construction oversight, and smart grid integration to future-proof our electrification projects. This technological edge enables us to reduce energy consumption and improve project outcomes.

In-House Manufacturing 📥

Our commitment to sustainability and technological innovation seamlessly integrates into our inhouse manufacturing process. By producing custom transmission towers and other infrastructure components in our own facility, we maintain full control over quality, timelines, and costs. This ability to manage the entire manufacturing process internally allows us to ensure that all components meet sustainability and safety standards, while also optimizing production efficiency.

End-to-End Service Capabilities 🍭

With the power of in-house manufacturing and technological integration, VoltTech Engineering is able to offer true end-to-end services. From initial design and planning to execution, manufacturing, and post-completion maintenance, we handle every aspect of the project lifecycle. This comprehensive approach ensures seamless coordination, reduced timelines, and cost savings for our clients.

LOCAL EXPERTISE, RISK MANAGEMENT & COST OPTIMIZATION

Our deep knowledge of Uzbekistan's regulatory framework, environmental conditions, and local market needs allows us to execute projects with precision. This local expertise is critical to effective risk management and cost optimization, as we are able to anticipate challenges and implement strategies that keep projects on time and within budget. By leveraging our understanding of local conditions, we minimize risks, control costs, and deliver high-quality infrastructure that stands the test of time.



4. Our Team

At VoltTech Engineering, our strength lies in the diverse expertise and collaborative spirit of our dedicated teams. We pride ourselves on fostering a culture of innovation, precision, and seamless cooperation, ensuring that every project is executed with the highest standards of quality, efficiency, and sustainability. Our multidisciplinary team is divided into three core areas— Engineering, Consulting, and Manufacturing—all working in synergy to deliver customized solutions for electrification projects.

1. Consulting Team

The consulting team provides strategic guidance and project management expertise, driving the success of each project from planning to completion. Their responsibilities include managing regulatory compliance, controlling budgets, and mitigating risks to ensure that all projects are feasible and optimized for long-term success. The consulting team works closely with the engineering team to integrate practical and efficient solutions into every stage of the project lifecycle, ensuring alignment with client goals and timelines.

2. Engineering Team

Our engineering team is at the forefront of designing and implementing cutting-edge solutions for transmission lines, substations, and other energy infrastructure. With deep technical knowledge and a commitment to precision, the engineering team ensures that every project meets both local and international standards for safety, efficiency, and sustainability. By collaborating with the consulting team during the project management phase, they guarantee that all designs are practical, innovative, and aligned with regulatory and client requirements.

3. Manufacturing Team

VoltTech Engineering's in-house manufacturing team specializes in the production of highquality transmission towers and infrastructure components. By managing production internally, the manufacturing team maintains full control over the quality, timeline, and customization of the products that drive our projects forward. This close collaboration with both the consulting and engineering teams ensures that all components are produced to exact specifications, enabling seamless project execution.

SYNERGY AND COLLABORATION

At VoltTech Engineering, our teams work in harmony at every stage of a project. The consulting and engineering teams integrate their expertise during project management to ensure that designs are practical, efficient, and aligned with client goals. The manufacturing team collaborates closely with both, ensuring that all components are produced according to precise specifications, contributing to the timely and successful delivery of each project.

This cohesive approach allows us to leverage the specialized skills of each team while maintaining a unified focus on delivering exceptional, sustainable, and reliable energy infrastructure.









5.GET **IN TOUCH**

We're here to assist you with any inquiries or project needs. Whether you're interested in learning more about our services, discussing a potential project, or simply have a question, we're happy to help. Reach out to VoltTech Engineering today, and let's start building the future together.

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