



# APSTECHS UK LTD.

Design And Advisory Solutions To The Power Sector



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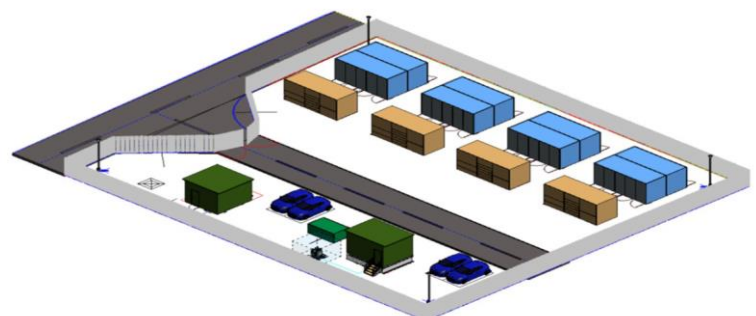
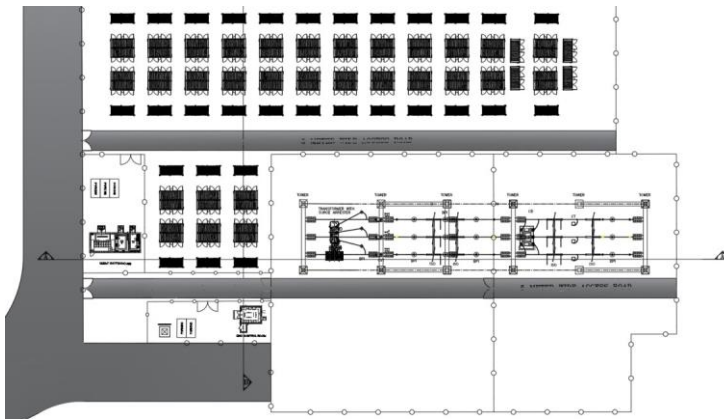
Design And Advisory Solutions To The Power Sector

## Who We Are

We at 'APSTECHS' are a team of experts who offer Design & Advisory Solutions for efficient & effective utilization of power sector resources. Our services are aimed at ensuring maximum business and operational success for our clients. We have a proven track record of delivering customised, cost effective, safe, sustainable and viable projects. We are committed to providing our clients with technical and financial solutions that align with customer goals and regulatory requirements.

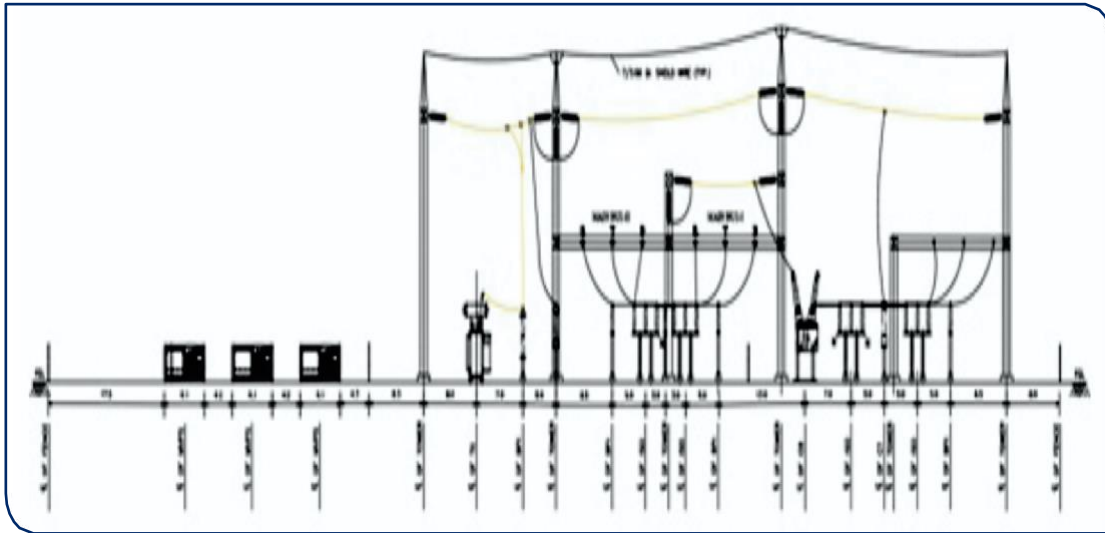
## Our Expertise:

With our extensive industry knowledge, we possess the expertise and experience necessary to enhance various aspects of power generation, distribution, and supply projects. Our services extend beyond the utility sector, catering to electricity distribution network operators, Solar & BESS developers, and private network owners. By combining our design and project management capabilities, we provide a comprehensive turnkey solution that streamlines projects from start to finish.



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## Comprehensive Services

We pride ourselves on delivering a wide range of services that cater to the diverse needs of our clients. It is more important than ever in the current climate where budgets are tight, limited availability of capital, and scrutiny by regulators and other stakeholders is high. Our extensive services includes:

## Specialised design and Engineering Services

Our specialised design and engineering services encompass a wide range of critical areas in the power sector. With our extensive network knowledge and expertise, we offer comprehensive & customised solutions to meet the unique requirements of our clients. Here is an overview of our specialised services:





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**Battery Storage Integration:** We have extensive network knowledge from Power Generation Systems, Distribution System to complete the design for Energy Storage. APSTECHS now provides a complete battery network integrated solution for substations and renewable generator projects.

**Cable System Design:** Using CREATER & HIGH VOLTAGE ELEK software, expanding the horizon from UK & INDIA, now we are also providing cable system designs for rest of the world, covering low voltage to extra high voltage cables.

**Civil and Structural Design:** We utilise the latest civil and structural design software systems Staad Pro and RC Detailer to expertly produce designs with a complete set of construction drawings and supporting calculations.

**New Connection Design:** We undertake feasibility studies and detailed designs for developers, ICPs, and EPCs nationwide from 11kV to 220kV on projects for the DNO and private renewable energy companies.

**Plant Services :** We provide HV and LV plant design services covering from 11kV to 220kV. We provide complete substation design solutions for primary, secondary, and civil requirements from concept to commissioning.

**Power Systems:** Assessing and optimising the performance of existing power plant design and systems, connections and protections to optimise the reliability and increase the efficiency. APSTECHS have the capability to achieve all the above simultaneously through our specialised team of power system studies by exploring the possibilities, modelling and analysing the electric system.

- > G99 compliance studies
- > P28 /29– Planning Limits for Voltage Fluctuations studies
  - > G5/4 – G5/5 studies
  - > Relay Coordination studies
  - > Load flow and short circuit studies
- > Reactive Power Capability / Voltage Control Stability studies
- > Fault ride through and transient stability studies for the energisation of the BESS
  - > Arc Flash Studies



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## Protection Design:

Our protection design team will ensure that a protection system safeguards assets and ensures uninterrupted supply. We perform detailed designs of protection schemes based on client's standards and scheme specifications.



## Global Reach:

Based in the UK, with an office in India serving as our headquarters, APS Group operates globally. We have successfully undertaken projects across Europe, Asia and Oceania. Through our work, we aim to enhance the performance of assets and organisations while encouraging our customers to embrace new low-carbon technologies, pursue sustainable investments, and adopt effective value management strategies.

## Established Excellence:

With a rich history of delivering expert solutions in the Construction & refurbishment of Power Projects, upgradation & automation in Power Generation, improvements in Transmission and Distribution of electricity, APS Group has become a trusted name among governments, private companies, regulatory authorities, and various stakeholders. We have consistently provided our clients with unparalleled expertise and support.

We look at every aspect relating to the performance, reliability, stability and adequacy of a power network. By conducting all the systems studies needed, we can ensure that our clients not only meet present load and growth but also have the provisions for their future requirements.



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## APSTECHS UK Products Range

### Current Transformer:

APSTECHS UK, equipped in supplying high-quality, reliable Current Transformers (CTs) to meet the needs of clients across various industries. We offer a comprehensive range of CTs for electrical distribution, metering, protection systems, and industrial control. Whether for power monitoring, safety applications, or integration into electrical systems, we provide advanced solutions to meet your requirements. Our CTs are designed for exceptional performance, durability, and accuracy, meeting rigorous industry standards for both low and high-voltage applications. We offer tailored recommendations to ensure the right solution for your needs. Consider, us to be your partner in providing innovative, cost-effective, and reliable Current Transformers for all your electrical requirements.



### Earthing Materials:

APSTECHS UK, specialized in supplying high-quality earthing materials to meet industry standards. Our range includes copper earth rods, earth strips, exothermic welds, and earthing powders, all designed for reliable, efficient, and long-lasting earthing solutions. Whether for electrical installations, power distribution, or industrial applications, our products ensure optimal performance and safety. Crafted from premium copper, our earth rods and strips provide excellent conductivity and durability. We also offer exothermic welds and earthing powders, which ensure low-resistance, secure connections in grounding systems. Our experienced team works closely with clients to provide tailored solutions and expert guidance, ensuring the reliability and longevity of your earthing systems. Trust APSTECHS UK for high-quality earthing materials that support the safety and efficiency of your electrical systems.



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## Installation of Plant and Equipment:

Our company specialises in the installation of electrical engineering equipment, delivering reliable and efficient solutions tailored to your needs. We handle the installation of transformers, switchgear, control panels, and other critical systems with precision and expertise. From site preparation to commissioning, our skilled team ensures every project is completed safely and in compliance with UK regulations and industry standards. With a focus on quality and performance, we provide seamless installations that support your operations and long-term success



## Commissioning of plant and Equipment:

We provide comprehensive commissioning services for electrical engineering equipment, ensuring all systems are fully operational and meet design specifications. Our expert team conducts thorough inspections, functional testing, and performance evaluations to verify system reliability and safety. From individual components to integrated systems, we ensure every aspect functions optimally before handover. Adhering to UK standards and industry best practices, our commissioning process minimises downtime and maximises efficiency. Trust us to deliver a seamless transition from installation to operational readiness, tailored to support your business needs.







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Technical & Field Photos

## WHY CHOOSE US?

With a proven track record of excellence and client satisfaction, we ensure the clients' projects are cost-effective, viable, safe, and sustainable. We pride ourselves on our quality, reliability, integrity, and confidentiality. Our clients range from Power generation utilities, transmission and distribution network operators, energy suppliers, regulatory authorities, and investors, to governments and their agencies, lenders, donors, and other stakeholders - all trusting us to deliver sound technical and financial solutions for their projects both within in the UK and internationally.

With our knowledge and experience in the industry, we extend our specialised services to enhance the technical, commercial, organisational, safety, and environmental aspects of power generation, distribution, and supply projects, from the utility sector to wider markets such as electricity distribution network operators, renewables developers, and private network owners. With the addition of our design and project management services, we offer a complete turn-key solution to fulfil our client requirements. Regardless of the regulatory framework or market conditions, APSTECHS provides expert advice and guidance, empowering clients to make informed decisions and assure them of the successful execution of projects. We invite you to explore our website to learn more about our success stories and the wide range of services we offer. Alternatively, please feel-free to contact us directly for a more comprehensive understanding of how APSTECHS can contribute to your power sector endeavours.



Uzbekistan Team



## Meet the Team

We at 'APSTECHS' are a team of experts who offer Design and Advisory Solutions for efficient & effective utilisation of power sector resources. Our services are aimed at ensuring maximum business and operational success for our clients. We have a proven track record of delivering customised, cost-effective, safe, sustainable and viable projects. We are committed to providing you with technical and financial solutions that align with customer goals and regulatory requirements.

### Sanjeev Kumar, CEO APS GROUP

Sanjeev is the [CEO of APSTECHS UK LTD.](#) (APSTECHS), a newly formed Company. With 20 years of experience in the electrical and construction industries as an Industrial Electronics Engineer, Sanjeev has played a pivotal role in the growth of APS HYDRO.

He has now partnered with Azad Panwar, an Electrical Engineer with 18 years of experience in electrical and substation industries, to expand their business in the UK. Sanjeev's extensive knowledge of the construction and engineering market has allowed him to work with leading business partners in India, helping to deliver multi-technology Hydro Electric generation plant upgrades and automation.



### Azad Panwar, MD, APSTECHS

[APSTECHS UK LTD.](#) is directly managed by [Azad Panwar](#), who is based in Colchester, Essex, United Kingdom. Before this, Azad managed Freedom Design Business (British Power International) also in Colchester. With a wealth of experience and knowledge in the field of Electrical and Power industries, Azad has worked with major electrical equipment and raw material suppliers in both UK and India, successfully delivering important projects such as data centres across London and Europe.



Azad is dedicated to working closely with clients to provide cost-effective and reliable solutions in the electrical industry.



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## Krishna R Pokala, BDM, APSTECHS

Krishna is an accomplished executive with over a decade of diverse experience in retail, sales, IT, EV solutions, and fast-paced product development. He possesses a comprehensive understanding of complex project implementation, ensuring high quality delivery. With a proven record of cultivating strategic partnerships, driving revenue growth, and expanding market presence, Krishna is experienced in developing innovative strategies to drive long-term profitability. In addition, Krishna is a co-founder of CHARGEMATE PVT Ltd, where he drives the evolution of sustainable transportation through innovative EV strategies



We invite you to explore our website to learn more about our success stories and the wide range of services we offer.

Alternatively, please feel-free to contact us for a more comprehensive understanding of how APSTECHS can contribute to your power sector endeavours.

Contact the Business Development team on:

☎ +44 33011 84436

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✉ [info@apstechs.co.uk](mailto:info@apstechs.co.uk)



## APSTECHS UK LTD.

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### We are Located at :

#### United Kingdom:

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Great Horkesley, Colchester CO6 4EJ

#### India :

10/58, First Floor, Industrial Area,  
Kirti Nagar, New Delhi -110015

#### Uzbekistan :

Mukimi street 178, Tashkent city, Uzbekistan, 100012