



Bigeta[®]
efficiency in action

Bigeta Energy Solutions



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Our Values



Team Work



Integrity



Passion

Bigeta Energy Solutions is an Energy & Sustainability Management company based in Bengaluru. We are a team of BEE Accredited Energy Auditor, BEE Certified Energy Auditors, Certified Energy Manager (CEM-AEE), CEM Trainer, Certified Measurement and Verification Professional (CMVP), ISO 50001 Lead Auditors, Project Management Professional (PMP), Power Quality Professional, IGBC Accredited Professional and ZED Assessor, working together to give most promising solutions to customers to save energy and improve sustainability.

We are passionate about providing the best solutions to our customers that earn their trust and build strong relationship

Services



Energy Audits & Assessment



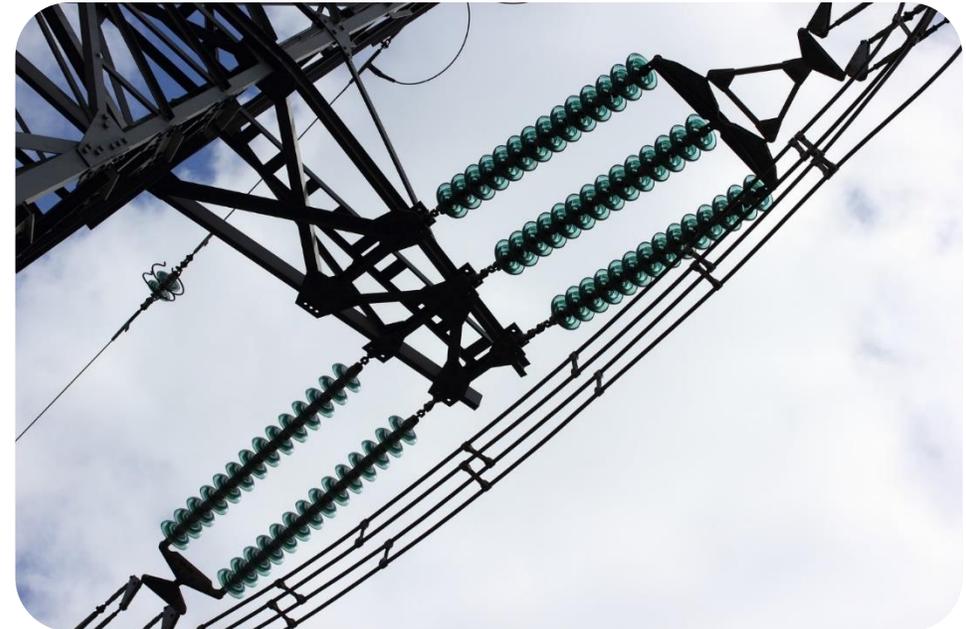
- Energy audit (Electrical, Mechanical & Thermal)
- Power and fuel assessment studies
- Equipment energy efficiency study
- Compressed air system study
- Cooling audit
- Process energy study
- Heating & Cooling recovery study
- Energy saving assurance study



Electrical Power Assessment



- Power quality assessment
- Voltage regulation test
- Reactive power management
- Harmonic audit



Electrical Safety Assessment



- Verification of statutory compliance with respect to applicable standards and rules
- Review of earthing system and lightning protection system
- Inspection to identify electrical hazards
- Review of electrical hazard history
- Review of maintenance and procedures etc.
- Documentation review
- Training



Measurement & Verification



Baseline Study

Base line energy study, factors affecting energy consumption

Development of M&V Plan

Preparation of M&V plan

Saving Verification

Verify savings as per M&V plan

Continuous M&V

Periodic and continuous M&V for implemented ECMs

Third Party Verification

Third party verification of Implemented projects

Thermal Imaging



- Thermal imaging of electrical, mechanical and thermal systems
- Identification of hotspots in circuit breakers, transformers, transmission lines and cables
- Identification of overheating due to faulty bearings, inadequate lubrication, misalignment etc.
- Identification of heat losses in boilers, furnaces, kilns, ovens, steam lines etc.
- Gas or steam leakage identification



Energy Data Analytics



- Initial assessment
- Data visualization and reporting
- Gap analysis and expert recommendation
- Asset usage analysis
- Remote monitoring



ISO 50001 EnMS



- ISO 50001 Implementation support
- Assessment for identifying KPIs, benchmarking and target
- Documentation support
- Training for various levels
- Internal Audit



Green Building



- Green building consultancy (IGBC)
- Documentation support
- BEE star rating
- ASHRAE Level I & II audit
- Training



Project Implementation



- Vendor evaluation support
- Project management
- Post implementation savings verification



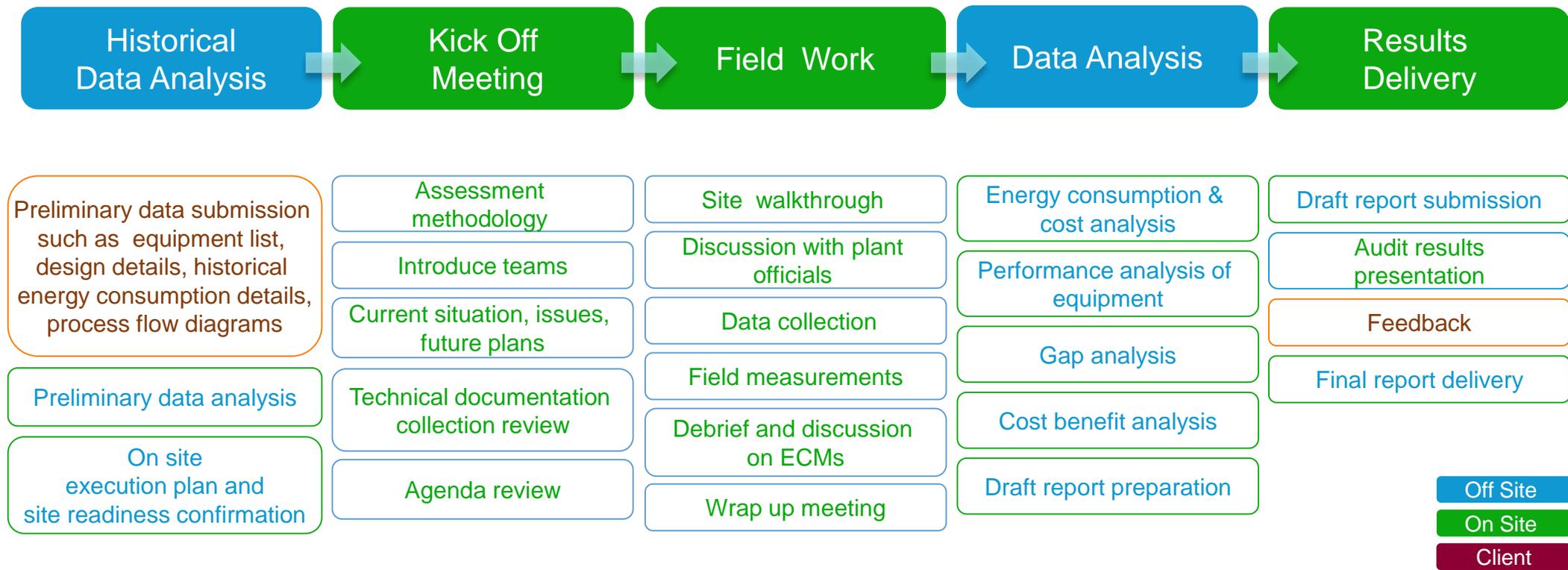


We provide customized training required for operator, management and executive level employees



- ❖ Energy Efficiency
- ❖ Electrical Power Quality & Electrical Safety
- ❖ ISO 50001 EnMS
- ❖ Green Building

Energy Audit Methodology



Why Choose Us?



We have highly experienced energy professionals with vast experience in energy audit, solution development, implementation support, M&V, ISO 50001, power quality and electrical safety. Our resources executed more than **350 projects** in **11 countries**



Long term partner of sustainable energy management for:

Energy assessment, solution development, implementation and project management support, Measurement and verification, training and ISO 50001 implementation support

Sectoral Experience



Steel, Steel coated products, Cement, Textiles, Paper, Aluminium, Power Plant, Plastics, Mines, Glass, Refractory, Rubber, Apparels, Carpets, Tyre, Engineering, Automobile, Battery, Pharma, Highways, Food & Beverages, Dairy, Packaged Water, Rice Mill, Medical products, Highway, Water and waste water, Tea, FMCG, Consumer Goods, Ports, Offices, Hotels, Commercial Building, BFSI, IT Building, Data Center



Certifications:

- Accredited Energy Auditors by BEE India
- Certified Energy Manager (CEM) by AEE USA
- CEM International Trainer
- Certified Measurement and Verification professionals(CMVP) by AEE and EVO USA
- Project Management Professionals (PMP)
- ISO 50001- EnMS Lead Auditor
- IGBC Accredited Professional
- QCI certified ZED assessor

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Contact us to know more details about our services or to discuss about your requirements.



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