



E TECH GROUP

Smarter Buildings. Stronger Resilience. Real-Time Visibility.

Lifecycle BMS & EPMS Delivery. Validated Implementations. Enterprise-Scale Integration.

Integrated Solutions for Building and Electrical Power Management

E Tech Group's **Building Management System (BMS)** and **Electrical Power Management System (EPMS)** solutions help organizations improve efficiency, strengthen reliability, and gain real time visibility across their facility systems.

We design and integrate **supervisory control, intelligent metering, and power monitoring technologies** that connect seamlessly with mechanical, electrical, and utility equipment. Our solutions unify **HVAC, utility metering, power distribution, and OT and IT data** to support analytics, automated control, and informed decision making. With **IoT sensors, power quality monitoring, and secure network design**, facilities can reduce downtime, enhance performance, and maintain operational and sustainability goals.

Whether upgrading **legacy building controls**, deploying **facility wide metering**, improving **power quality**, or integrating **enterprise data platforms**, E Tech Group delivers scalable, future ready solutions that strengthen safety, efficiency, and reliability.

With **E Tech Group**, buildings and power systems operate smarter, more resilient, and more efficient to support long term performance and sustainability.



Tangible Benefits

- Up to 40% reduction in downtime with predictive maintenance
- Real time compliance monitoring to minimize operational and reporting risks
- Up to 50% return on investment within 2 to 5 years through energy savings and carbon credit programs
- Up to 40% improvement in energy efficiency through intelligent automation and optimized control



Use Cases

- Commercial and corporate buildings
- Hospitals, life sciences, and critical environment facilities
- Data centers and mission-critical power systems
- Campus and multi-facility portfolios



Proven Results, Measurable Impact

- Reduce energy use by up to 30% with optimized control
- Cut outages by up to 40% using power quality insights
- Achieve up to 50% ROI in 2 to 5 years from energy savings
- Strengthen uptime and resilience with continuous monitoring

Beyond Automation and Control



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Key Areas of Expertise:

Intelligent Supervisory Control & Automation

- Unify HVAC, lighting, utilities, and power systems under a centralized supervisory platform
- Enable real-time monitoring, alarming, and automated control of critical building functions
- Integrate sensors, PLCs, and field devices for seamless, reliable data communication

Compliance, Safety & Power Quality Assurance

- Automate tracking of power quality metrics such as sags, swells, and harmonics
- Monitor safety conditions and system performance against regulatory standards
- Minimize risk and avoid downtime with continuous compliance verification

Secure Wireless & Distributed Monitoring

- Connect remote or distributed equipment through secure wireless telemetry
- Maintain visibility into mechanical rooms, switchgear, meters, and utilities
- Reduce manual inspections and improve response times to system events

24/7 Remote Monitoring & Support

- Monitor building and electrical systems anytime, from any location
- Enable proactive alarming, remote diagnostics, and faster issue resolution
- Reduce on-site labor needs while improving safety and system reliability

Unified Data Integration & Analytics

- Consolidate data from BMS, EPMS, IoT sensors, SCADA, and enterprise platforms
- Drive informed planning, optimization, and reporting with unified analytics
- Strengthen asset management with accurate, contextualized operational data

Predictive Maintenance & Condition Monitoring

- Leverage IoT sensors and analytics to detect issues before they cause downtime
- Track vibration, IAQ, temperature, and equipment trends to forecast failures
- Extend asset life and reduce repair costs through targeted, proactive maintenance

Energy & Demand Optimization

- Improve energy efficiency with automated load management and peak shaving
- Reduce utility costs and meet sustainability goals with granular metering data
- Gain actionable insights into energy performance through real-time analytics

Turnkey Engineering & Lifecycle Delivery

- Provide end-to-end BMS and EPMS engineering from design through commissioning
- Standardize systems across single or multi-facility portfolios for consistency
- Ensure scalable, future-ready infrastructure through structured modernization

Beyond Automation and Control