



E TECH GROUP

**Proven Expertise.
Trusted Execution.
Global Support.**

Smarter Operations. Reliable Compliance. Cleaner Communities.

Integrated Solutions for Solid Waste, Wastewater, and Water Utilities

E Tech Group's **Water and Wastewater Automation** solutions help utilities and municipalities **optimize treatment processes, ensure regulatory compliance, and deliver reliable, sustainable operations.**

We design and implement **advanced SCADA, telemetry, and control systems** that integrate seamlessly with plant infrastructure, providing **real-time monitoring, predictive analytics, and automated control.** Our solutions connect sensors, networks, and enterprise platforms to improve efficiency, reduce risk, and support long-term asset management.

Whether **modernizing treatment plants, deploying wireless telemetry across distributed systems, or enabling predictive maintenance,** E Tech Group delivers scalable, future-ready solutions that enhance **safety, reliability, and environmental stewardship.**

With **E Tech Group**, water and wastewater operations become **smarter, more resilient, and cost-effective.**



Tangible Benefits

- **Up to 40% less downtime with predictive maintenance**
- **Real-time compliance monitoring to avoid costly fines**
- **Up to 50% ROI in 2–5 years from energy and carbon credits**
- **Up to 40% higher energy efficiency through automation**



Use Cases

- **Municipal Water Treatment Plants**
- **Wastewater Collection and Processing Systems**
- **Industrial Water Recycling Facilities**
- **Remote Water Distribution Networks**



Proven Results, Measurable Impact

- **Cut emissions by up to 60% with automated methane capture**
- **Generate up to \$0.5M+ annual revenue per site through renewable energy sales**
- **Avoid fines of up to \$100K+ with continuous compliance monitoring**

Beyond Automation and Control



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Key Areas of Expertise:

SCADA System Design

- Develop and implement advanced SCADA platforms for solid waste, wastewater and water operations
- Enable real-time monitoring and control of treatment processes
- Integrate sensors, PLCs, and industrial networks for seamless data flow

Predictive Maintenance

- Use machine learning to forecast equipment failures before they occur
- Minimize downtime and extend asset life with data-driven insights
- Reduce maintenance costs through targeted interventions

Energy Optimization

- Improve energy efficiency across treatment and pumping operations
- Reduce operational costs while supporting sustainability goals

Remote Monitoring and Support

- Provide 24/7 visibility and control from any location
- Enable proactive troubleshooting and emergency response
- Reduce on-site labor requirements and improve safety

Data Integration and Analytics

- Consolidate data from SCADA, sensors, and enterprise systems
- Enable actionable insights for performance and resource planning
- Support long-term asset management and capital planning

Wireless Telemetry Solutions

- Connect remote sites and distributed assets with secure telemetry systems
- Provide continuous visibility into pump stations, tanks, and pipelines
- Reduce manual checks and improve response times

Compliance and Regulatory Monitoring

- Automate reporting to meet EPA and local water quality standards
- Track emissions and discharge limits in real time
- Avoid costly fines with continuous compliance verification

Turnkey System Development

- Deliver end-to-end solutions from design through commissioning
- Standardize control systems across multiple facilities
- Ensure scalability for future upgrades and expansions

Beyond Automation and Control