



Quad Plus is an industry leading system integrator providing motors, transformers, and controls for auto shredders. We offer complete solutions, from meeting with the power company and designing a high-voltage layout for your site to supplying AC or DC shredder drive systems. Once you're up and running, we provide parts and expertise to keep your systems operating efficiently.

Eliminate Obstacles

We work with power companies to create a system based on your shredder's location.

Proven Design Process

3D modeling provides the most exact specifications so your project is done right the first time.

Premium Support

We offer secure remote diagnostics for fast troubleshooting along with on-site service and repairs. Plus, we partner with control systems parts manufacturers to save you time and money.

Shredder System Analysis

When your shredder is down, it can cost you time and money. We perform vibration, mechanical drive train, and system analysis to find the right solution and end persistent failures and downtime. Instead of pointing you to a vendor for a solution, we stay with you from start to finish: identify the issue, implement the solution, and monitor the results to ensure complete satisfaction.

Vibration Analysis



Vibration analysis helps to determine exactly what caused a breakdown so the correct part is repaired. The result is faster, more reliable repairs and fewer recurring problems. Vibration analysis is also

an effective predictive maintenance strategy that can improve equipment reliability by identifying points of weakness before a major breakdown occurs.

Rotational Mechanical System Analysis



Mechanical drive train and system analysis, including vibration and torsional resonance analysis, is necessary to identify problems with your equipment. We employ experienced mechanical engineers

along with drive and motor specialists to identify the correct solutions to stop shaft and bearing failures and improve long-term reliability.



Power Company Relationships



High Voltage Design

Our knowledge of industry requirements and government regulations makes us the ideal engineering company to design a high-voltage electrical system for your site, from the power line to your auxiliary equipment. We'll take care of load forms, connection requirements, and coordination between the electrical service entrance and customer-owned equipment, along with sizing and specifications for substations and other required equipment.



Demand Charge Limiters

Demand fees can account for up to 70% of your power bill and are generally based on the highest 15-minute demand in your billing cycle. Cut your power bills by thousands of dollars over many years by reducing energy peaks while staying in control of demand charge parameters based on your production needs.



Harmonic and Flicker Analysis

Harmonic and flicker analysis requires application specification knowledge, in-depth distribution theory, and drive topology expertise. We utilizes all of these competencies to develop precise mathematical models and deliver accurate and reliable analyses. We also collect all the data needed for negotiating with the power company and provide a power single diagram of the facility, flicker analysis, and recommendations for meeting IEEE and local quality standards.

Over 100 Shredder Installations

Did you know there are nearly 340 shredders with complex drive systems in North America--with 275 in the U.S. alone? Quad Plus has engineered, installed, or serviced well over 100 of those systems making us the leading engineering and solutions provider in the country.



Connect with us



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