



Craven County Wood Energy

Renewable Energy for North Carolina

Craven County Wood Energy is a North Carolina based company on the cutting edge of new energy technology. They wood products, or biomass, in order to generate and sell electric power. Although Craven County is thriving, they faced several problems resulting from weather inconsistencies and equipment limitations.

Biomass is a highly variable material that fluctuates with the seasons both in quantity and quality. If the material is too wet it is difficult to weigh accurately and burn. Biomass that is too dry can create dust when it burns which is a fire and explosion hazard, and causes frequent downtime for cleaning. They also lacked an effective solution for gathering information on incoming materials that was necessary to optimize their process. Craven County needed a way to maintain production despite these challenges, and a robust solution that could expand to meet future needs.

Craven County partnered with J.A. King to solve their problem. In response, J.A. King's engineers designed and implemented a turn-key, automated truck scale management and ticketing solution. The system included improved moisture control, automated weight and ticket generation, 100% data collection, and the ability to interface with any new scales Craven County adds in the future.

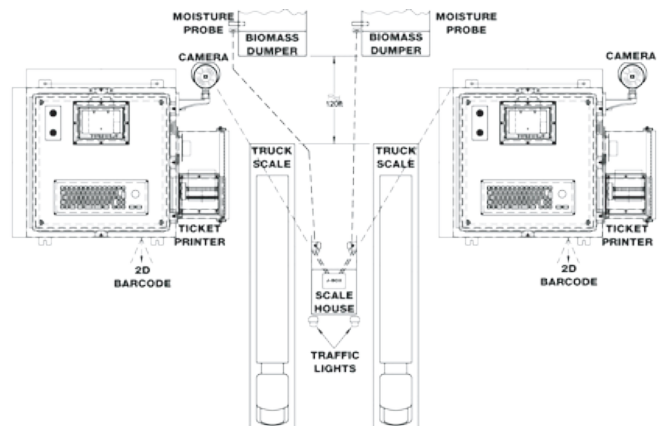
The results?

J.A. King's solution dramatically increased plant efficiency. It improved truck turnaround times for area biomass haulers, reduced load delivery times, reduced raw material costs, and provided Craven County with a complete data collection and management system that is scalable for future growth.

Key Benefits

- » **Automated Weight-and-Ticket Generation**
2-D Barcode System Allows for Automated Ticket Generation
- » **Improved Truck Turnaround Time**
System Allows for an Increase in Production from 70 Trucks to More Than 100
- » **Improved Moisture Control**
Integrated Moisture Probes Dramatically Reduce Raw Material Cost & Smooth Out Production
- » **100% Data Collection & Data Management**
Integrated Data Collection for 100% Auditability & SPC
- » **Interface with an Unlimited Number of Scales**
Scalability for Any Size Operation

Multi-Truck Scale Automated Weigh & Ticketing System





J.A. KING

PRECISION MEASUREMENT PROFESSIONALS

▼ The Precision Measurement Professionals

J. A. King offers comprehensive measurement solutions that allow companies in the energy industry to achieve efficiency, reliability, flexibility, and maintain regulatory compliance.

- ▼ **ISO 17025 Calibration**
One of the broadest scopes in the industry
- ▼ **Measurement Equipment Sales**
Represent over 50 leading manufacturers
- ▼ **Contract Inspection Services**
PPAPs, Capability studies, Reverse engineering
- ▼ **24 Hour Technical Support and Repair**
GPS technician dispatching
- ▼ **Consulting Services**
Six Sigma, Quality Systems Evaluation, Audit Prep

▼ Turn Key Automation for Any Process

J.A. King's Engineering division is devoted to problem solving and has an extensive history of providing cutting-edge solutions that enable companies to:

- » Improve productivity
- » Raise the level of quality of their products
- » Reduce downtime
- » Obtain more accurate measurements of critical variables in less time
- » Collect data for quality control and traceability

Although they solve complex problems, our systems are user-friendly, flexible, and easy to maintain.

