

## Quality is in Our DNA... It Guides Everything We Do at Storm Power

At Storm Power Components, our Quality Management System is tightly interwoven into our core values and is designed to provide both an over-arching set of guidelines and detailed processes to assure that quality objectives are consistently achieved. This document provides an overview how the combination of big-picture and precision-focused approach enables the world-class quality results our customers expect.

The guiding elements of Storm Power's Quality Management philosophy include:

- 1. Clear Quality Objectives:** Define specific quality goals and standards that align with customer expectations and regulatory requirements.
- 2. Comprehensive Quality Planning:** Develop a detailed quality plan that outlines processes, methodologies, and responsibilities for maintaining quality throughout the manufacturing life-cycle.
- 3. Process Control and Monitoring:** Implement robust process controls to monitor key parameters, detect deviations, and ensure consistent product quality.
- 4. Supplier Quality Management:** Establish criteria for selecting and evaluating suppliers to ensure they meet quality standards and provide consistent components or materials.
- 5. Training and Skill Development:** Invest in training programs to educate employees on quality standards, procedures, and the use of proven quality methods.
- 6. Continuous Improvement:** Foster a culture of continuous improvement by regularly reviewing processes, analyzing data, implementing corrective actions, and soliciting feedback from stakeholders.
- 7. Documentation and Traceability:** Maintain comprehensive documentation of quality procedures, inspections, tests, and product histories to ensure traceability and facilitate audits or investigations
- 8. Customer Feedback and Satisfaction:** Incorporate mechanisms for gathering customer feedback and using it to improve products and processes continually.

Our dual-certified Quality Management System meets the ISO 9001:2015 requirements and the even stricter AS9100:D standards, as required by the Aerospace industry and the Department of Defense. This proven level of process control, with integrated layered quality gates, provides confidence that our products are manufactured the same way, every time, within specifications.



ISO 9001:2015  
Certified



### These Sections Detail Key Aspects of the Storm Power Quality Management System

#### Materials Management and Traceability

End-to-end material traceability is a critical element in Storm Power's quality management system. With materials being one of the most important factors in our quality program, the system is designed to capture relevant data at every internal point, from incoming inspection through every kitting and assembly step, to final quality testing.

At incoming inspection, every new delivery is compared with the associated purchase order and the vendor's material certification is reviewed to ensure that everything matches our specifications and meets our quality criteria - all before it is placed into inventory.

We've also instituted comprehensive ERP tracking and validation steps throughout every production operation so that we always know exactly where the materials came from down to the lot level, and production line staff have real-time access to PDFs of the associated material certifications in real time, right on the production floor.

#### Labor Traceability

Similarly, the ERP system captures comprehensive detail on labor traceability, with every production line operator being matched at the lot level to every production work order passing through the assembly steps. When each worker scans in, the ERP system captures data on the workers' certifications, training levels, etc. to make sure that they are properly qualified to perform the specific operations for that station.

All traceability records for both materials and labor are retained indefinitely in the system so, if a problem or question come up anytime throughout the product's lifetime in the field, Storm Power can quickly drill down and drill through to access all details associated with it's materials, production, test results, etc.

#### Work Center Structured Processes

Another key factor contributing to our excellent quality performance levels, is the work center focused approach that we use across all Storm Power production operations. Each work center is self contained and optimized for specific operations. This approach not only helps us optimize each work center for quality excellence, it also provides flexibility for building the wide range of custom products required by our customers because we can essentially create a "virtual assembly line" for each distinct product or work order.

All relevant process documentation, work instructions, quality inspection criteria, and set-up procedures, are readily available to operators in the work center. We have full-blown training matrices across the facility for every work center. At every work center, we have an employee communication board, and one section of that board is training. We have a training matrix posted at each work center that lists the trained, certified people that are allowed to work there. Only operators who are certified for that production center are qualified to carry out processes in the center (unless a new operator is being trained under direct supervision of a certified operator).

#### "One-Up, One-Down" Skills Training

Storm Power has also instituted a "one-up, one-down" cross training program in which each operator certified to a particular work center are also trained on the related upstream and downstream work centers. This gives everyone a useful perspective to understand the key parameters and quality indicators for what they are receiving from other work centers and what downstream work centers expect to receive from them.

## Storm Power Components - Quality Management System

### Quality Validation of All First Articles

The standard process within each work center calls for an independent quality inspection of first articles for each work order, before work continues on the balance of the batch. When the work center operator has completed a first article and conducted their own dimensional checks, they then call quality inspectors to double check that all parameters have been met before any subsequent parts are processed.

### Advanced Laser Metrology Inspection Systems

If needed, the quality staff may take the first article items to the quality lab that is equipped with advanced laser metrology systems in order to perform precision inspection of key parameters. These automated laser measurement platforms effectively take any risk of human error out of the inspection process. The quality inspector enters all of the dimensional specifications and tolerances into the system, which then conducts automated measurement processes and identifies any discrepancies.

In addition, the efficiency and speed of automated inspection system enables high precision measurements to be completed in near real time so there is no significant impact on production throughput. Also, since the dimensional data and specifications for each customer's part are stored in the automated inspection system after the first production run, subsequent production runs can be completed even faster.

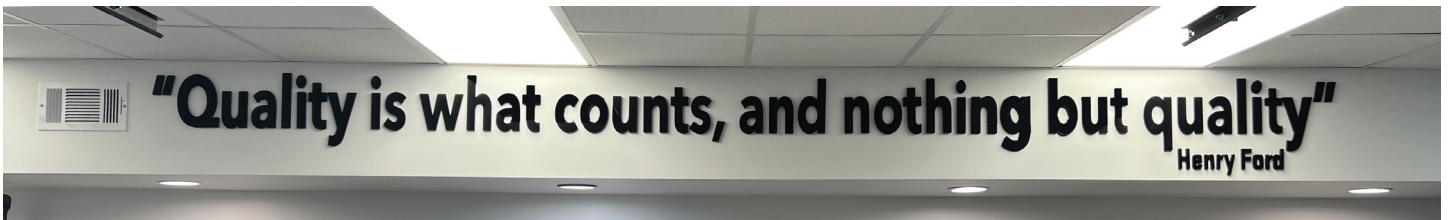
### Summary

All aspects of Storm Power's Quality Management System are mutually supportive and consistently aligned with our overall quality philosophies.

These elements of Storm's quality culture include:

- Doing it Right the First Time
- Understanding How Every Task Fits Into the Big Picture
- Commitment to Excellence as Individuals and as a Team

We constantly reinforce a quality oriented culture as exemplified by this sign in the Storm Power quality lab.



At Storm Power Components, our engineering teams have decades of experience with designing complex busbars that have proven reliable in the most demanding of deployments. This is because we always start with the end goal of the system in mind and then bring our knowledge, experience, and creativity together in a holistic manner to achieve those goals, especially when it comes to assuring quality results for all products.

