



FAVOTEK

Custom Power Solutions

CUSTOM POWER SOLUTIONS

A Collaborative Design Experience

We strive to be the most collaborative custom power supply partner in the industry. With over 1,500 field-proven custom designs, we continue to drive for the highest power densities and efficiencies with reduced development times and manufacturing costs. Our ability to manage design changes, schedule adjustments and control inventory makes us an ideal partner for your quick-turn / low-risk power requirements.

Favotek Advantages



Global Resources: We maintain sales, engineering and support staff in EMEA, AsiaPac and the Americas.

Service: Dedicated teams have been established to manage all aspects of service, engineering and manufacturing solutions for fast response to your requirements.

Technology: Our talented R&D teams combine cutting-edge in house technologies with those from a growing list of industry partners to keep you ahead of the power curve.

Time-to-Market: Reducing development time requires a multi-tiered approach to design:

- Continuous development of next generation technologies and topologies
- Project management tools to manage responsibilities and milestones of each project
- In-house prototype, beta unit, and full-production capabilities
- In-house DVT, HALT/HASS and safety certification

Quality & Reliability: We strive for zero defects and high reliability with ISO 9001:2008 qualified processes.

Flexibility: We are responsive to your needs with the ability to manage design changes, schedule adjustments and inventory management programs for optimized technical and commercial solutions.

Custom Power Engineering

We work with you to provide the ideal power solution through the modification of our standard products or by developing ground-up custom designs. We have a broad range of standard power supplies from which we can quickly tailor for new applications and a talented team of design engineers available to develop custom solutions.

Throughout the process, our engineering team collaborates closely with you - from development to system qualification in order to ensure that your project is a success.

Common Customizations

We have the capability to modify our broad range of standard off-the-shelf power supplies to meet your specific requirements. Common modifications include:

- Custom voltages
- Extended temperature ranges
- Custom connectors
- Custom labeling
- Modified cord lengths
- Modified form factors
- Custom Cooling

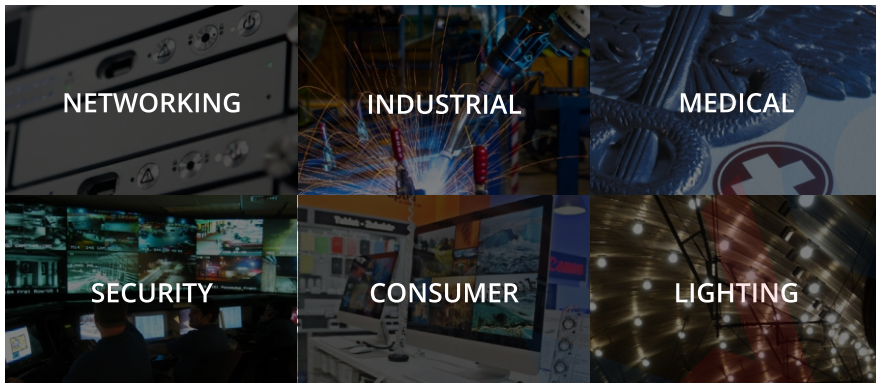


Technology Capabilities

Our research & development teams are continually expanding our library of power technologies to support your next-generation platform needs.

- 1 W to 12,000+ W
- 95%+ efficiency
- High power density in excess of 35 W/in³
- Medical Standard UL/EN60601-1 3rd Edition
- I2C/PMBus™ System Communications
- N+1 redundancy and hot-swap
- Conduction and liquid cooling

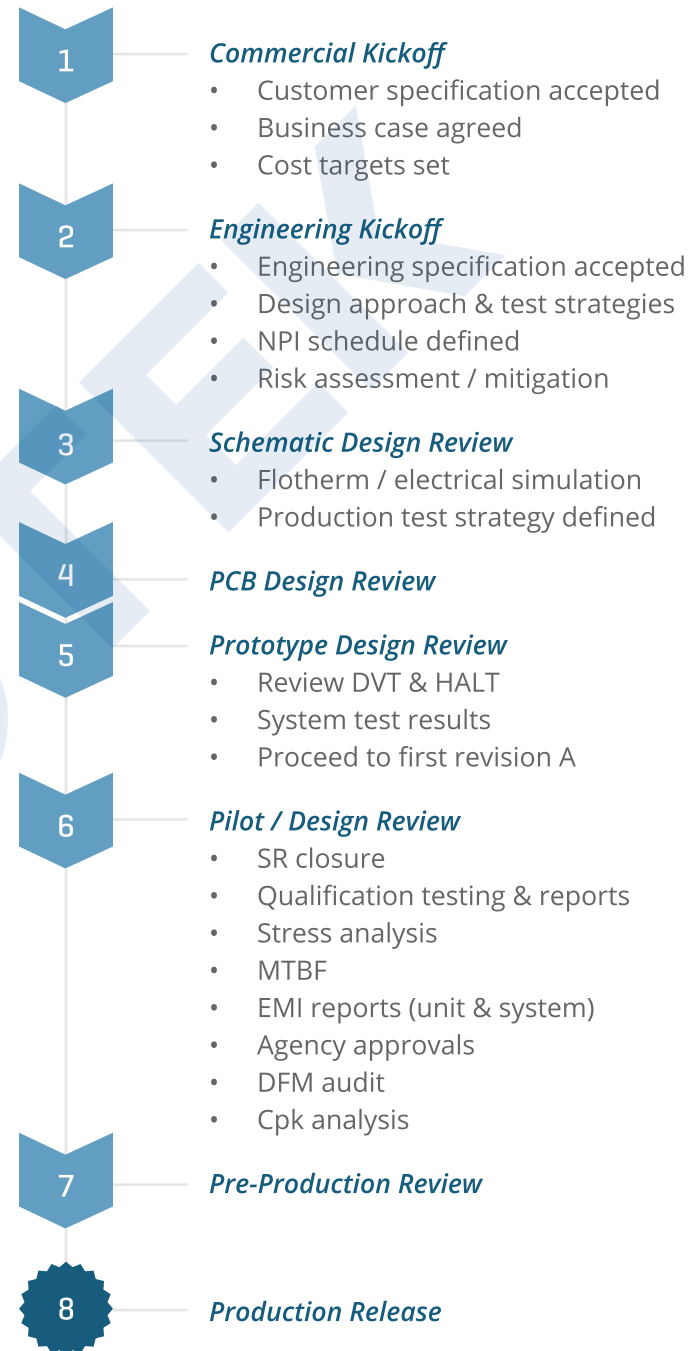
Markets Served



DESIGN & QUALIFICATION

Product Development - 8 Gate Process

We operate with a formal 8 gate development process designed to provide quick, accurate and high quality power solutions. The criteria to pass each of the 8 design process gates is comprehensive, focused, and stringent. Engineering, manufacturing and quality assurance collectively validate that the design will ensure high quality, consistency, performance, and cost effectiveness before proceeding to the next phase.



MANUFACTURING & QUALITY



Manufacturing

Our manufacturing capabilities range from low to high volume production with varying levels of sophistication.

- Automated Component Placement (SMT & Thru-Hole) – combining SMT and thru-hole insertion in multi-layer boards enables design maximization of circuit density, reliability and cost effectiveness.
- Stringent Process Controls - in-circuit testing, automated/integrated functional testing, 100% input power cycled burn-in.
- MRP & Supplier Collaboration - creates a proactive supply chain for quick response to customer needs.

Manufacturing Locations



Canada | Japan | Taiwan | China

Quality Assurance

As an ISO 9001-certified organization, we use processes and standards within our manufacturing flow to identify and resolve potential issues to achieve targeted Ship Product Quality Level (SPQL). Key points measured include:

- Incoming Inspection
- Pre-test inspection
- Purchase lot (incoming materials)
- WIP inspections
- Auto-insertion (SMT)
- Burn-in with data logging
- Assembly
- Final ATE test
- Wave/flow solder
- Final inspection
- In-Circuit testing
- Repair service turnaround
- Hi-Pot testing (safety)

Additionally, we maintain comprehensive field failure and analysis data to identify failure modes and incidents. Corrective Action is taken when any trend is exhibited. Pareto analysis is utilized to resolve identified failure rate items on an ongoing basis in the goal of Continual Process Improvement.





Contact us today to discuss your power requirements!