

Powering the Future with Custom Lithium-ion Solutions

Green Cubes Technology is your go-to partner for custom electrification solutions, specializing in designing and manufacturing safe, reliable, and innovative Lithium-ion power solutions for medical and industrial equipment. With over 35 years of experience, we leverage proven hardware and software platforms to develop the most dependable power solutions for OEM and enterprise customers worldwide

Our Expertise

- **Battery Designs:**
 - NiMH, Li-Ion, LiFePO4
 - Cylindrical and Prismatic Cells
- **Design Capabilities:**
 - Cell selection and qualification testing
 - Electronics and circuit board design
 - Electrical and software/firmware design with features like safety circuits, fuel gauges, and serial communications
 - Mechanical design and tooling management
- **Compliance:**
 - Environmental, Safety, and Regulatory Compliance Testing (shock & vibration, temperature, humidity, water ingress, ESD, etc.)

Why Choose Green Cubes Technology?

- **Total Power Solutions:** Our expertise in smart batteries, chargers, and docking stations ensures a comprehensive system-level design solution tailored to your needs.
- **Team-Based Customer Resources:** Our in-house engineering team covers essential disciplines, including electrical, software/firmware, mechanical, manufacturing, and compliance to support your unique requirements.
- **Proven Industry Experience:** With a presence in six countries and decades of innovation, our power solutions are trusted by industry leaders.



Product Development Process

1. Product Requirements and Design Approach:

- System Design Review
- Schematic Creations
- Board Design & Layout
- Mechanical Design Review

2. Product Test Development:

- Schematic
- Constraints Drawing
- Board Layout
- Prototypes
- DVT – Design Verification Testing

3. Process Development and Certifications:

- Environmental, Safety, & Regulatory Certifications
- Test Programming & Test Fixtures

Sustaining Engineering and Product Life Cycle Management:

- BOM EOL Surveillance
- Cell Qualification and Testing
- Performance Evaluations under Adverse Conditions
- Fault Mode Tests

LET'S INNOVATE TOGETHER!

Discover how Green Cubes Technology can deliver tailored power solutions for your enterprise. Connect with us today to explore the possibilities of intelligent, efficient, and reliable power systems for your equipment.

For more information, email info@greencubes.com
or visit greencubes.com

