CYIENT

YOUR MEDICAL DEVICE PARTNER FOR ENGINEERING AND MANUFACTURING

CELEBRATING
25
YEARS

Cyient is a recognized leader in providing full life cycle engineering and electronic manufacturing services for medical device and life science companies. We provide value to companies by leveraging our end-to-end engineering, manufacturing, and data analytics expertise.

- More than 20 years of OEM and electronic box-build experience in products such as diagnostic imaging, in-vitro diagnostics (IVD), and point of care devices for global market leaders
- ISO 13485 certified design and manufacturing processes
- Flexible manufacturing systems to meet customized requirements

How We Help

- Provide cost-effective design and manufacturing solutions
- Help reduce time-to-market through effective design and timely delivery
- Improve engineering and manufacturing efficiency
- Support product localization to meet specific market needs
- Ensure regulatory compliance by proactively adhering to certified design and manufacturing processes

Services & Solutions

Concept Design

- Prior art search
- Benchmarking
- Industrial design
- Proof of concept
- IP services
- Feasibility study
- Voice of customer
- Risk management

Design and Development

Electronics
- Architecture design
- Hardware development
- Prototype and pilot build
- Verification and validation
- Signal integrity, modeling, and simulation
- Electrical design
- Component engineering
- PCB design
- DHF technical file

Mechanical
- CAD design
- FEA, CFD, structural and thermal analysis
- Tool design
- Rapid prototyping
- Testing and validation
- Plastics and materials engineering

Software Development
- IEC62304 compliant development
- Firmware
- Embedded Systems

Life Cycle Support

Manufacturing
- DFM, DFA, DFT
- IQ, OQ, PQ, process validation, PFMEA
- Manufacturing test development
- System integrity testing
- Reliability engineering
- Packaging design
- Parts localization and vendor management
- Test jigs development
- Component level to box build
- PCBA to interconnects assembly
- Cable assembly

Product Enhancements
- Value engineering
- Sustaining engineering
- Configuration control
- Risk and hazard management
- Regulatory compliance
- Green engineering
- Technical publications
- Data analytics and asset predictive maintenance

Life Extension
- Obsolescence management
- Product enhancements
- EOL analysis
- ROHS conversion