



ESTONE TECHNOLOGY

Your one-stop ODM/OEM service provider

Company Introduction

www.estonetech.com

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About Us

Estone Technology is a leading ODM/OEM manufacturer at the forefront of delivering cutting-edge solutions in rugged tablet PCs, medical tablet PCs, panel PCs, and industrial PCs. Our commitment extends to providing tailored design and manufacturing services, spanning from board level to system level, to meet the unique requirements of various vertical industries.





History of Estone Technology



Founded by a group of seasoned industrial PC veterans with over 20 years of experience, Estone Technology is a leading design and manufacturing company for rugged computing solutions including rugged tablet PCs, medical tablet PCs, industrial panel PCs, and embedded computer systems. We leverage the newest computing technology to service the vertical markets of healthcare, transportation, field service, military, oil & gas, hospitality, and more.

Vision

To become the premier global innovator in rugged computing solutions, enabling industries to achieve unparalleled connectivity and operational excellence even in the most demanding environments.

Mission

At Estone Technology, we are dedicated to designing and manufacturing superior computing products that address the unique challenges of various industries. Our mission is to propel technological progress through relentless innovation, exceptional customer service, and strategic collaborations, ensuring our solutions deliver unmatched performance and value to clients worldwide.



Goals to Achieve



Enhance Product Innovation

Foster Strategic Partnership

Improve Customer Satisfaction

Expand Global Presence



Our Milestones

2008

- Seasoned IPC veterans found Estone.
- California and Ohio offices had been established. With California focusing on the embedded PC market and Ohio focusing on rugged tablet and mobile computing.

2009-2010

- Introduced the world's initial fanless Intel Atom computer that can play full HD Blu-ray videos through hardware playback.
- Led the way in ultra-small form factor PCs as a substitute for traditional industrial PCs and was acknowledged as a favored hardware platform by Intel.
- Joined the Intel Embedded Alliance as a member.

2011-2012

- Introduced a full line of fanless computers and panel PCs with built-in Nvidia GPU for digital signage, video security, and artificial intelligence markets.
- Developed medically certified tablet PCs with Intel Atom Z510 processor and RFID.
- Received Award of Excellence in Market Development from Intel Alliance.

2013-2014

- Expanded testing facility to offer full MIL-STD-810G rugged tablets.
- Recognized by top industry reviewer AnandTech as "the most powerful and efficient passively cooled PC" for our high-performance fanless computer.
- Began development of ARM-based Linux and Android tablet PCs and embedded PCs.
- Launched HIO Project, an expandable modular ARM hardware platform with open-source Linux OS as building block of Internet of Things (IoT).
- Became NXP Connect Partner.

- Further extend our industry-leading offerings with the UR-100N, MD-150, and MD-130.
- In 2024, we began to expand our facilities in Vietnam.

2019-2024

- Designed simplified wall-mounted connections for Panel PCs.
- Innovate the rugged tablet market with an Ultra-rugged tablet capable of HF, UHF and barcode scanning.
- Rapid response to COVID-19 prevention with FSAC-80 platform development and release.
- Grow the market for the MD-100 platform with additional customizable options, including architecture and OS.

2019-2020

- Expanded tablet offerings with MD-100M Medical Tablet, MJ-80 Rugged Tablet, and more.
- Introduced a full line of ARM and Intel-based small form factor pico-ITX boards as building blocks of panel PCs and intelligence gateways for the rapidly growing IoT market.
- Merged Estone and HABEY's website to combine marketing efforts, enhance product portfolio, and extend OEM/ODM services.

2017-2018

- Opened a new 36,000-square-foot facility (ISO9001 certified) for product design and manufacturing in Shenzhen, China; received ISO13485 certification for medical device manufacturing.
- Expanded tablet computer product line to include both Intel and ARM processor platforms.
- Added a full line of ARM-based POE (Power Over Ethernet) enabled panel PCs for AI and IoT.

2015-2016

Locations



OUR FACTORIES



Vietnam Factory

Location: Bac Ninh

Quality System: ISO 9001, ISO 13485, ISO 16949

Product: Tablet PC, Panel PC, Industrial Computers, Embedded Boards, Medical Computers, Medical Panel PC

Production capacity: 150K/month



China factory

Location: Shen Zhen

Quality System: ISO 9001, ISO 13485

Product: Tablet PC, Panel PC, Industrial Computers, Industrial Control System, Medical Computers, Medical Diagnosis systems, Medical Display, Rapid Prototyping

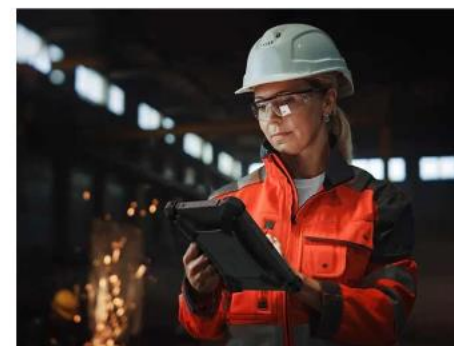
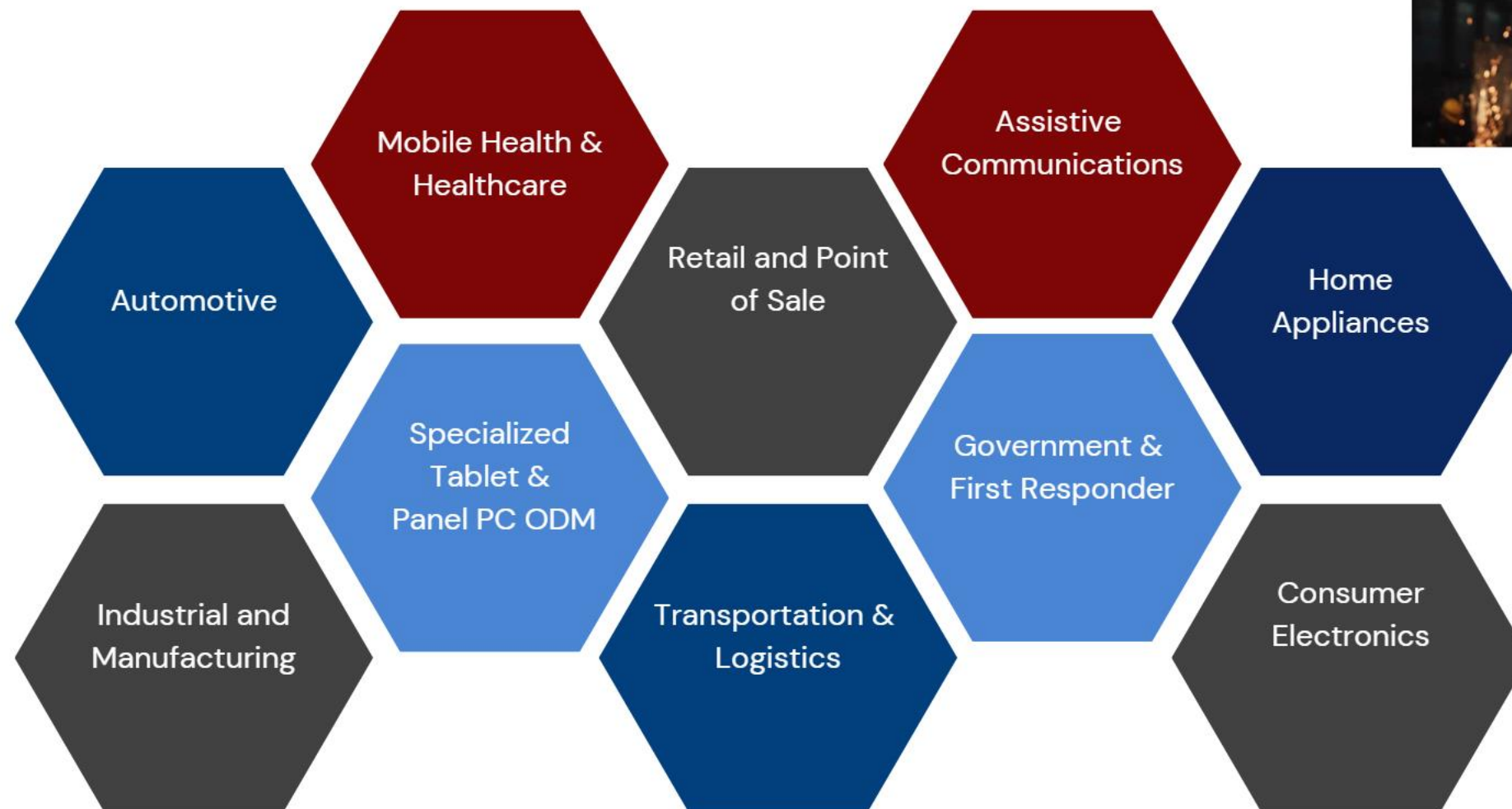
Production capacity: 25K/month

Advantages of Collaborating with Estone due to OUR Global Presence


- High-quality components for long-term savings.
- We streamlined the development process for faster delivery.
- Global support with offices in the US, Europe, and Asia.
- Comprehensive warranty, support, and lifecycle management.
- Testing and certification for market readiness.



Vertical Markets Served



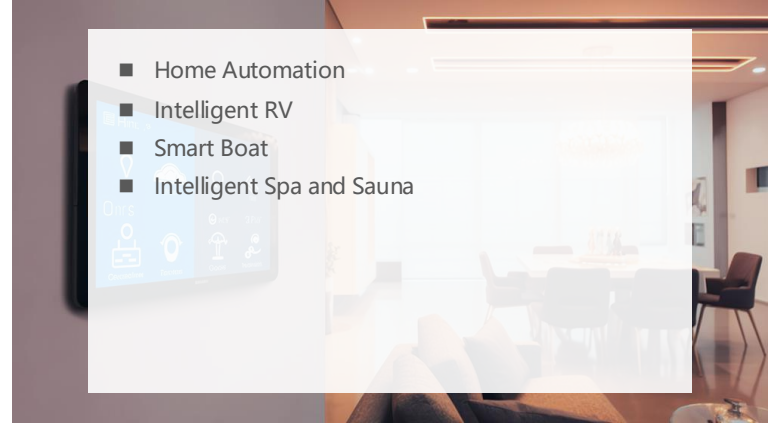
Vertical Markets Served

- 
- IT Solutions for Emergency Medical Services
 - Patient Care Collaboration
 - Imaging and Diagnostics
 - Labs and Pharmacies
 - Telehealth
 - Patient, Asset, and Staff Tracking
 - Panel PCs for Medical Carts, Operating Rooms, Treatment Rooms and Patient Rooms

Medical & Healthcare

- 
- Intelligent Control of Manufacturing Line
 - Industrial Programming and Robotic Control
 - Inventory and Warehouse Management
 - Versatile IO Interfaces for Manufacturing Equipment
 - Industrial Control and Automation, HMI, Building Automation, Industrial Vending, Manufacturing Floor Computers


Industrial Manufacturing

- 
- Home Automation
 - Intelligent RV
 - Smart Boat
 - Intelligent Spa and Sauna

Smart Living

- 
- Smart Warehouse Management
 - Intelligent Fleet Management
 - Inventory, Shipping, Packing, and Cross-Docking
 - Digitizer Pen for Digital Record-Keeping
 - Unparalleled Connectivity
 - Sunlight-Readable Touchscreen

Transportation & Logistic

- 
- Interactive Displays
 - Self-service Kiosks
 - Vending Machines
 - Digital Signage

Retail & Mobile Payment

- 
- One-stop OEM/ODM service, including ID design, prototyping, board level design, OS, chassis molding, certification, production, warranty, and logistic support.

ODM/OEM

Our Products

Designed for **Demanding Professionals**



Rugged Tablet PCs

- Windows, Android, or Linux OS
- Wireless, compact, lightweight and ruggedized design
- Waterproof up to IP67, and shockproof



Industrial Panel PCs

- Long lifecycle, rugged and fanless design, extended I/O selections, POE and wide voltage input
- Windows, Android, Linux, Customized OS
- CE Marking, UL Certification, FCC Certification, ISO 9001, 13485



Medical Grade Tablet PCs

- Antimicrobial coating, Hot-swappable battery, Drop & shock protection, Barcode scanner & RFID reader
- Windows, Android, Linux, Customized OS
- IEC 60601-1, IEC 60601-1-2, IEC 60601-1-11, ISO 13485



Industrial Computers

- High performance fanless industrial computers
- Efficient, solid state, dust-free, silent, rugged compact design



X86 & ARM Boards

- One-stop shop for all of your industrial x86 SBC and ARM embedded systems
- Integrate multiple boards for flexibility and feature additions

PRODUCTS

X86 and ARM Embedded Boards



Industrial Computers



Rugged Tablets



PRODUCTS

Industrial Panels PCs and HMI



Medical Grade Tablet PC



Services We Provide

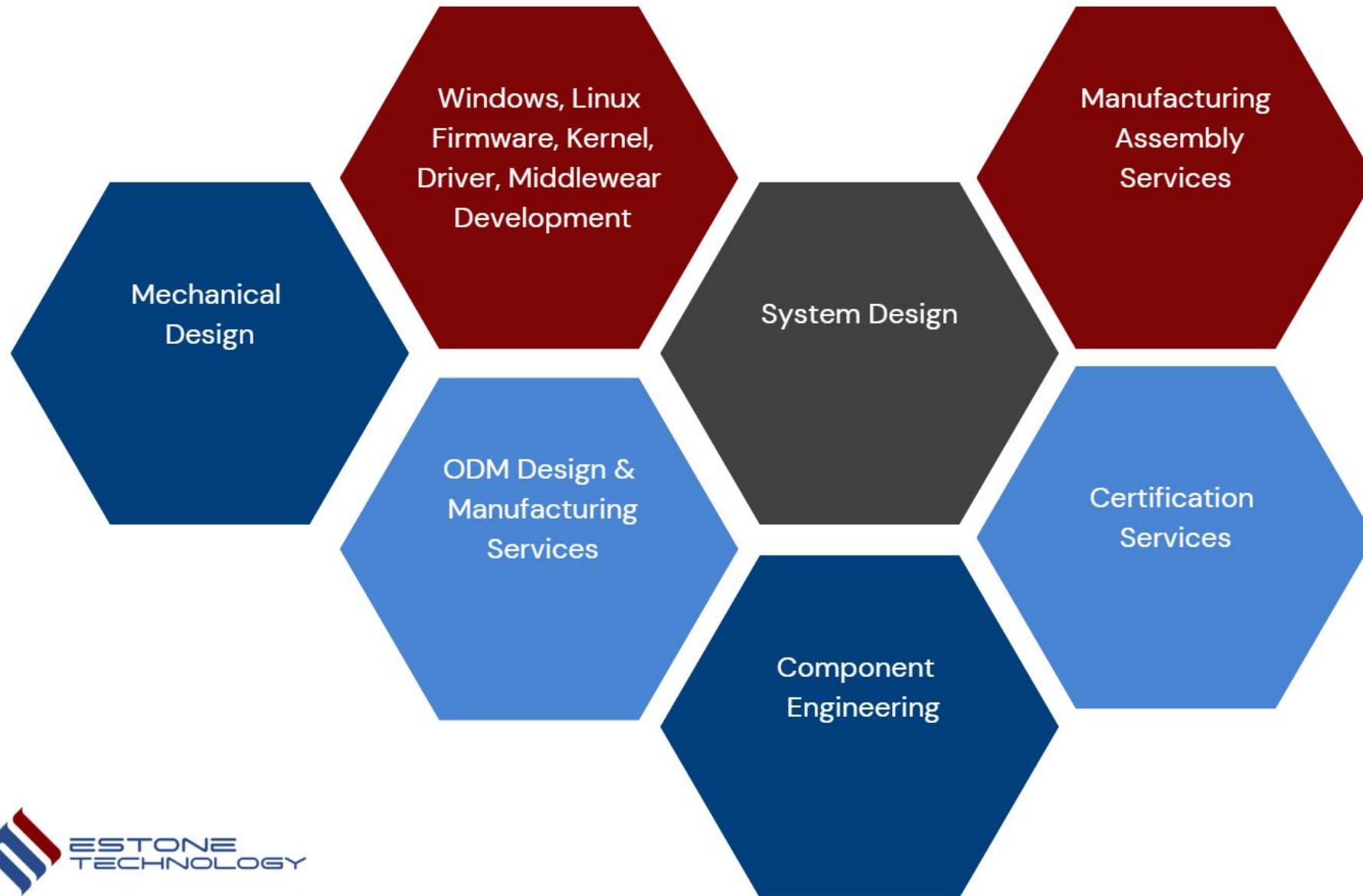
One -Stop ODM, OEM, EMS Solutions

- **ODM (Original Design Manufacturing):** Develop custom designs or utilize existing platforms with private and white labeling options.
- **OEM (Original Equipment Manufacturing):** Manufacture products based on client designs, including custom software integration.
- **EMS (Electronics Manufacturing Services):** Provide comprehensive product lifecycle management, including RMA, warranty, repair, testing, and certification.

Expertise in Diverse Products

- Rugged Tablet PCs, Medical and Industrial Panel PCs, Embedded Boards, and IoT Devices.
- Custom software, device management, and mobile applications.

ODM SERVICES INCLUDES



Certification Services



Types of Customization Offered



Rugged with Barcode Scanner



Highest Quality Anti-Scratch
Sunlight Readable Touch Screen



Hot-Swappable Battery



Industrial Kiosk



Fingerprint Scanner

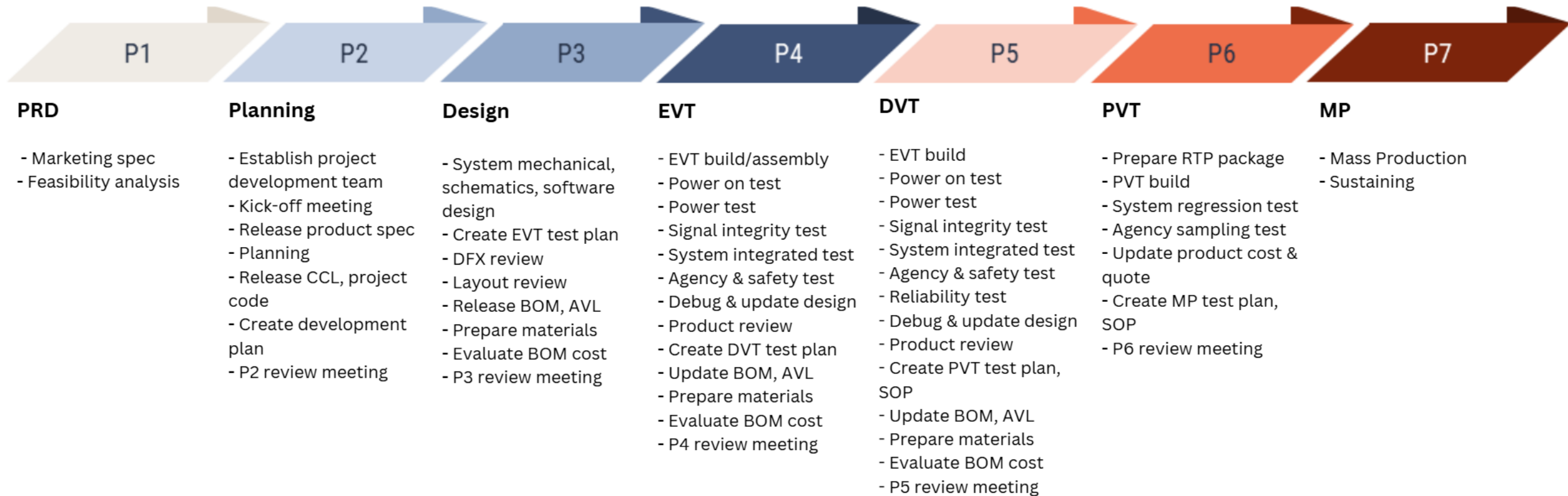


Active Stylus



NFC/RFID Reader

Our Product Development Process



ESTONE LOW CARBON EMISSIONS POLICY

We are committed to sustainability and reducing our carbon footprint through every stage of our operations.

Product Design

From the inception of our products, we have integrated eco-friendly principles. Our design teams prioritize materials and processes that minimize environmental impact. We strive to create products that are not only high-quality but also sustainable.

Green Energy Components

We use components that are energy-efficient and sourced from renewable energy providers. This ensures that our products consume less power and contribute to a greener environment.

Factory Layout

Our factory layout is optimized for energy efficiency. We have designed our facilities to maximize natural light, improve airflow, and reduce energy consumption.

Production Process

Our production processes are streamlined to minimize waste and emissions. We utilize advanced technologies that reduce energy consumption and lower greenhouse gas emissions. Continuous improvement programs are in place to further enhance our efficiency and sustainability.

Recycle Materials

We prioritize the use of recycled materials in our products and packaging. Our recycling programs ensure that waste materials are reused, reducing the need for raw materials and minimizing our environmental impact.

WHY ESTONE TECHNOLOGY?

Innovative and Custom Solutions

- Tailored OEM/ODM services to meet your unique needs
- Cutting-edge technology and modern design

High-Quality Manufacturing

- Designed and manufactured with stringent quality control
- Robust and reliable products for demanding environments

Proven Track Record

- Successfully delivered projects across various industries
- Long-standing partnerships with world industry leaders

End-to-End Support

- Local sales, technical support, and project management
- Dedicated team ensuring smooth and efficient project execution

Comprehensive Expertise

- Proficiency in Windows, Android, and Linux OS
- Specialized teams for medical, rugged, and industrial tablet PCs

Cost Efficiency

- Competitive pricing without compromising on quality
- Efficient production processes to reduce costs

IDEAL ESTONE CLIENT?

Client that has challenges related to consumer devices, Commercial-Off-The-Shelf hardware (COTS).

- **Common challenges:**
 - **Compatibility Issues:** COTS hardware might not be compatible with client's existing systems or software.
 - **Security Concerns:** Consumer devices often have weaker security measures compared to ODM Devices.
 - **Scalability:** COTS hardware may not scale efficiently with growing business needs.
 - **Integration Challenges:** Integrating multiple consumer devices and COTS hardware into a cohesive system can be complex.
 - **Reliability and Durability:** May not be as reliable or durable as industrial-grade options.
 - **Support and Maintenance:** COTS hardware may have limited support and maintenance options.
 - **Performance Limitation:** Consumer devices may not offer the performance required for certain applications.

Client that values platform Stability and Longevity

- As we provide a stable platform where specs do not change and can be built the same way with the same components for up to 10 years (3-5 years average).

Client that needs custom features in their hardware they can't get with COTS products.

- We are flexible in board layouts. Therefore, we can customize all the features to meet any project's needs. On average, we had 50-60 board projects each year.

Client that wants to build and brand their own product and have control over all aspects (hardware/software/services) of their solution.

- We can build YOUR product with YOUR brand by either leveraging YOUR mechanical design or leaning on our in-house services.

Let's Build the Future Together!



Phone: +1-888-653-2246
Website: www.estonetech.com
Email: info@estonetech.com

US Headquarters

2900 Carskaddon Ave
Toledo, OH 43606
Phone: (888) 653-2246

Japan

1-15-2 Yanagibashi, Taito-ku,
Tokyo, Japan, 111-0052
Phone: 03-4455-9263

US West Coast

21015 Commerce Pointe Drive
Walnut, CA 91789
Phone: (909) 594-7600

Vietnam - Factory

Nam Sơn, Bắc Ninh,
Bac Ninh Province, Vietnam

Europe

Baltesakker 17-A, 5625 TC
Eindhoven, Netherlands
Phone: +31(0)40-785-1360

China - Factory

2F, Building No.1, Jia'an Industrial Park,
No.2 Long Chang Road, Bao'an,
Shenzhen 518101, China