



Ubiquann

Company Introduction

Ubiqconn

Ubiqconn

||

Ubiquitous

+

Connectivity

Ubiqconn is a solution provider of ubiquitous-connectivity products and services to vertical markets.

攸泰科技是衛星應用產業領導廠商，專注於衛星通信、農業、物流、海事、交通與政府專案等重點產業。



FICG
FIC Global



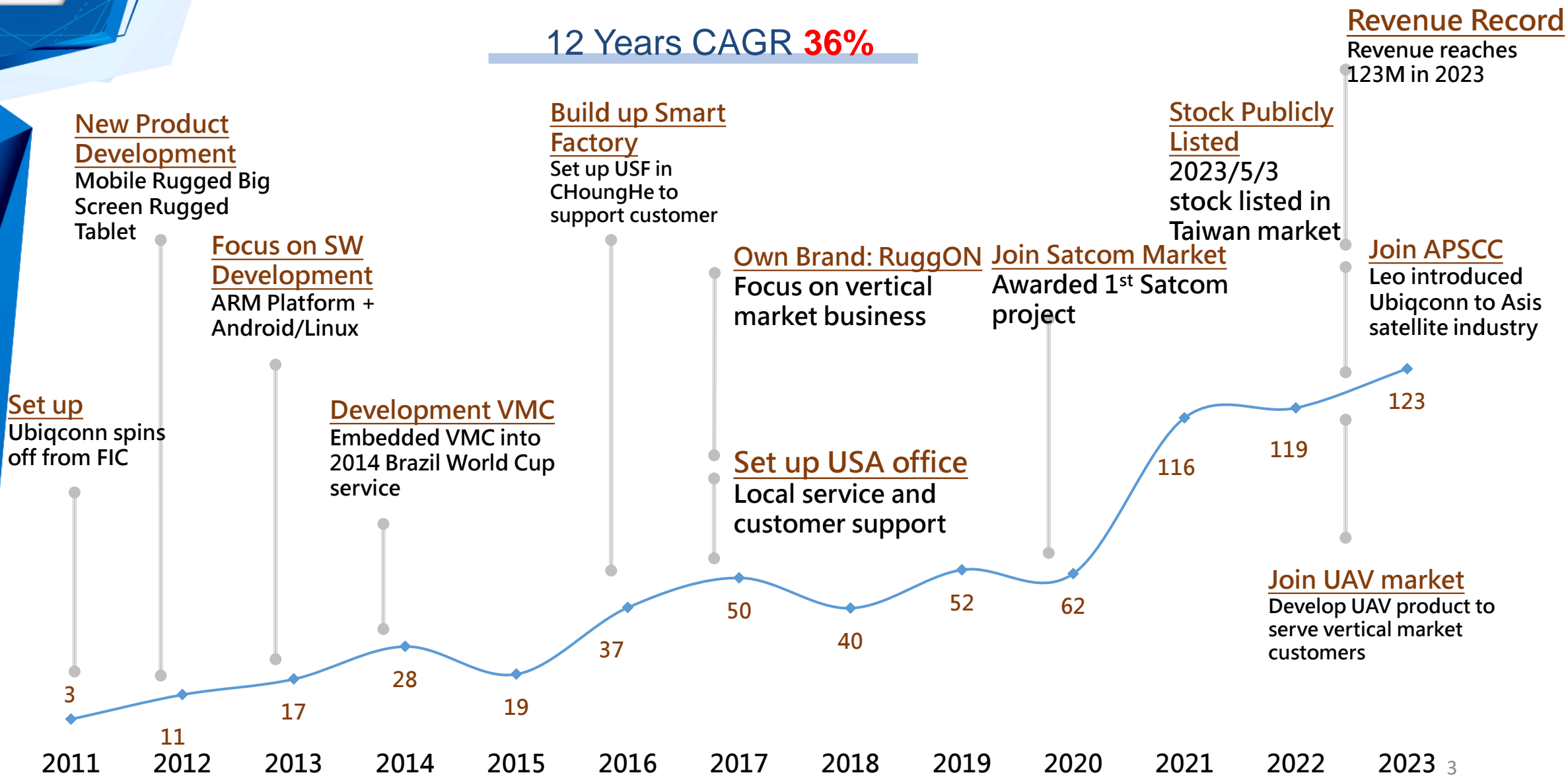
fic





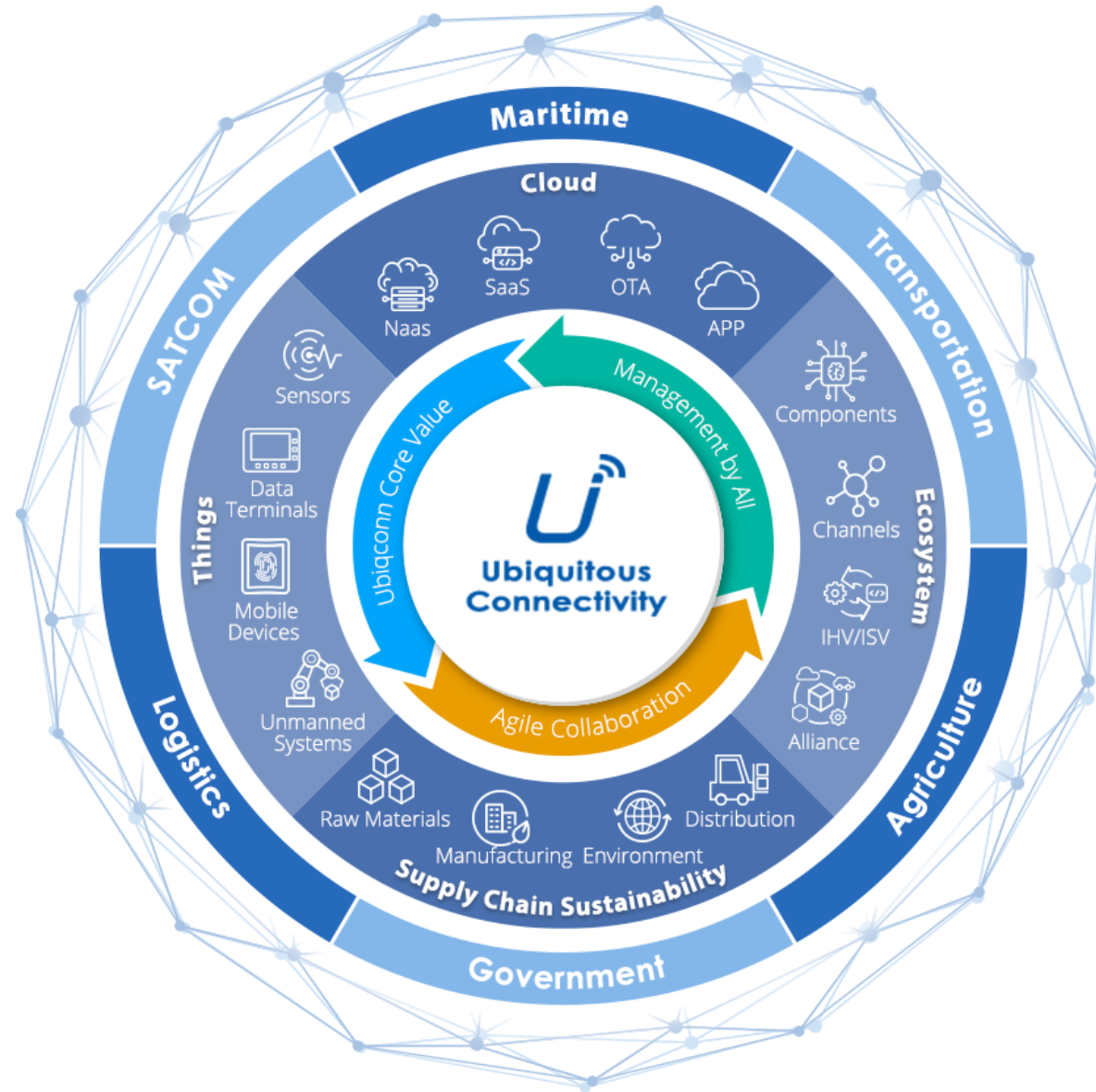
Footprint of Ubiqconn

12 Years CAGR **36%**



Join UAV market
Develop UAV product to serve vertical market customers

Our Vision – Ubiquitous Connectivity



Our Supply Chain

Located in Taiwan ←



SATTLITE ECO Partners

New Business Referral ECO Partners



Strategic Key Technology ECO Partners



Strategic Key Component ECO Partners



Government / NPO



APSCC

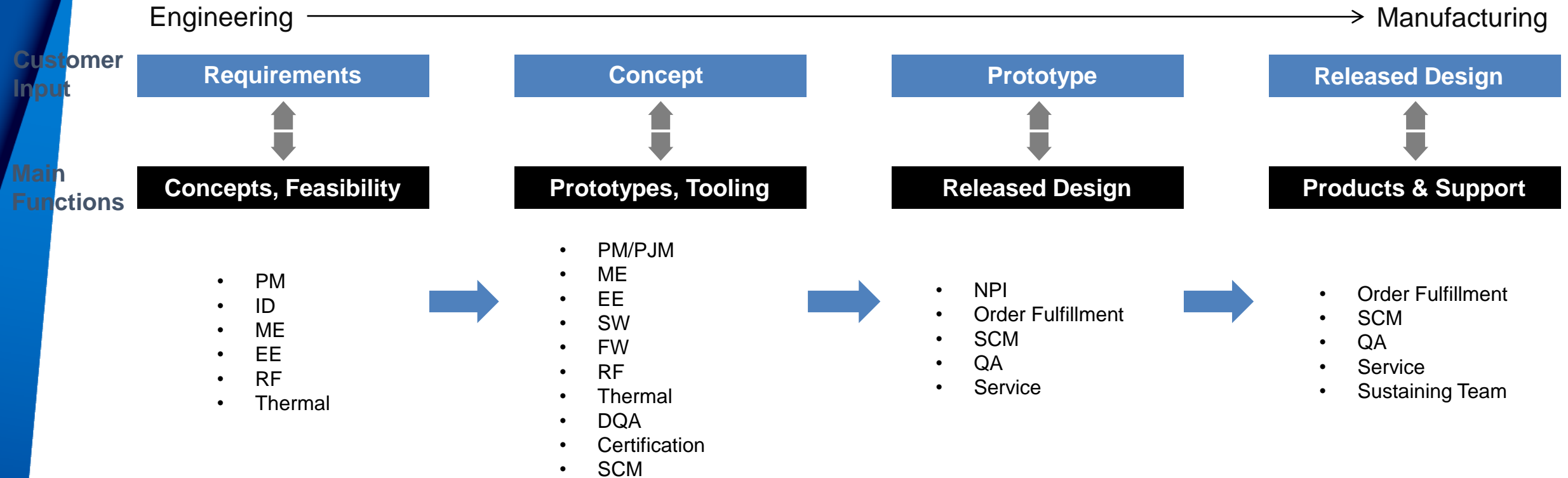


財團法人資訊工業策進會
INSTITUTE FOR INFORMATION INDUSTRY



Our Services

With over 30 years' experience in providing ODM services across diverse industries, our zero-to-market solution keep you stay competitive and innovative. The all-round services we deliver :



Our Products - Rugged Tablet

android 

 Windows



10.1", SOL PA501

- Qualcomm® Snapdragon™, Octa-Core
- IP65, MIL-STD-810G, MIL-STD-461G
- 1000 nits display supports night mode and stealth mode
- WiFi5, BT V5, 4G LTE, GNSS
- Android 11 w/ GMS



8", LUNA 3

- 11th gen Intel® Core™ i5
- IP65, MIL-STD-810H, MIL-STD-461G
- 1000 nits display supports night mode and stealth mode
- WiFi6, BT V5, optional 4G LTE & GNSS
- Windows 10



7", PM-311B

- Intel® Celeron™
- IP65, MIL-STD-810G
- 1000 nits display
- WiFi5, BT V4, GNSS, optional 4G LTE
- Windows 10



10.1", PX501

- 8th gen Intel® Core™ i5
- IP65, MIL-STD-810G, MIL-STD-461G
- 1000 nits display with hyper dimming option
- WiFi5, BT V4, GNSS, optional 4G LTE
- Windows 10



10.1", PM-521

- Intel® ATOM™
- IP65, MIL-STD-810G
- 1000 nits display
- WiFi5, BT V4, GNSS, optional 4G LTE
- Windows 10

Our Products - Vehicle Mount Computer

Vehicle Mount Computer



12.1", VX-601

- Intel® Core™ i5
- IP66, MIL-STD-810G
- 1200 nits display supports auto-dimming & defrost / defog function
- WiFi5, BT V4, optional 4G LTE & GNSS
- Windows 10



10.4", VULCAN X

- Intel® Core™ i5
- IP66, MIL-STD-810H
- 1200 nits display supports auto-dimming & defrost / defog function
- WiFi5, BT V5, optional GNSS & 4G LTE or 5G
- Windows 10



Mobile Data Terminal



7", VIKING

- Qualcomm® Snapdragon™, Octa-Core
- IP65, MIL-STD-810H
- 500 nits display supports auto-dimming
- WiFi5, BT V5, 4G LTE, GNSS
- Android 11 w/ GMS

7", MT7000

- Intel® ATOM™
- IP65, MIL-STD-810G
- 500 nits display supports auto-dimming
- GNSS, optional WiFi5 BT V4 & 4G LTE
- Windows 10



Our Design Capability

Rugged Mechanical Structure

- Design for challenging task
- Mobility and Ingress Protection IP67/ IP68
- Anti-Shock/ Anti-Vibration
- Double Injection/ Insert Molding
- RF Antenna Placement
- Thermal Management

System Engineering

- Display Optical Bonding
- High Brightness Display
- P-Cap / Resistive Touchscreen
- Wide-Temperature / Thermal Design

Seamless RF/Wireless Connectivity

- Optimized wireless design & deployment
- High performance transmission & precision positioning
 - ✓ Low interference GNSS
 - ✓ High Gain WiFi & Bluetooth
 - ✓ RF Baseband and PTCRB
 - ✓ RF Antenna Matching
- Carrier certification assistance

Superior Electrical Engineering

- X86: Intel Atom/Core-i
- ARM: NXP/Qualcomm

Smart Battery Management

- Wide temperature & hot swappable battery design
- Dynamic power management, Fully ACPI compliant

Automotive Power Design

- Wide range power design
- E-mark certified
- Load Dump ISO 7637-2
- Cold Cranking ISO 7637-2
- Wide voltage input Ignition sense
- Short and Reverse Polarity Protection

Software Engineering

- Android/ Linux BSP/ MCU
- Android/ Linux OS customization
- MCU (EC) Coding
- CAN Protocol Design
- Device API SDK Library
- User Interface & Mobile App
- FOTA, SOTA, Cloud Integration

Reliability/ Certification/ Testing

- Compliant with MIL-STD-810H
- SAE J1455, SAE J1113
- ISO-7637-2
- ESD / EMC Compliance
- GMS



Outcome Of Our Design Capability

Light

Rugged



Product



Meeting Room Mgmt



Panel PC



Repeater Display



Rugged Monitor



Maritime Display



Rugged Tablet/Handheld



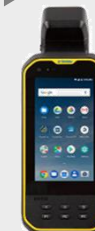
Vehicle Mount Computer



VOIP



Satellite Mobile Gateway



Rugged Data Collector



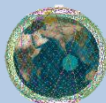
Military System



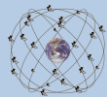
5G Sub-6
5G mmWave
AT&T & Verizon Cert.
WiFi 6E/BT 5.2



Dead Reckoning



LEO



GPS GLONASS BeiDou



UHF RFID



RTK(2.5CM)



PoE



USB Type C



CAN Bus Protocol + ISOBUS



MIL-STD 810H



MIL-STD 461G



IP 68



6 feet



UV Resistant

1000 H



-40 °C



+71 °C

Connectivity

Ruggedness



Industrial IP



Windows 11



Android 12 + GMS



OS



S/W API



PCAN SDK



BMC + CM



Subsystem Control, Integration & Diagnostics

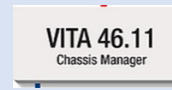
API



DashON



ADI (Agile Driver Installer)



Chassis Manager

Utility Application



MDM



OTA



EMM

Cloud Service

Technology

Key Design Tools

Industrial Design

Sketch the idea and provide a high-fidelity prototype

Graphic



CAD



Animation



3D Printing



Electrical & Mechanical

To optimize performance, from design to commissioning

Schematic Entry & PCB



CAD



RF & Thermal

Keeping the world connected and reduce risks of product

Thermal Simulation



Simcenter Flotherm

RF / Wireless Design



SaaS Service

Cloud computing as a service to simplify the user experience

UI & Wireframe



GUI Compiler



Coding



Framework



Version Mgn.



Database



API Develop



Debug&Test



In-House Resource

EMC & RF Test Equipment

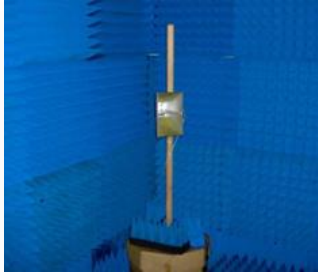
GPS Test Chamber



EMC Anechoic Chamber



RF Anechoic Chamber



ESD Simulator



EMI Spectrum Analyzer



Reliability Test Equipment

IPX7 IPX8 Immersion Tank



Shock Test Facility



Vibration Test Facility



Drop Test Facility



Temp & Humid Chamber



IRT System



Binocular Microscope





Worldwide Network

- 📍 Headquarter
- 📍 Marketing & Sales Offices
- 📍 Manufacturing Centers
- 📍 RMA Service Centers



Factory Location

U PCBA factory is in Zhongli City

National Airport/
Taoyuan City



UTI HQ / Taipei City



PCBA Factory /
Zhongli City



Current Factory /
New Taipei City



EMS/ODM Collaboration with Customer



Advanced Innovation

Strong Consolidation
across the board



Supreme Quality

- Keep connectivity at sea, in the air and on land.
- Great capacity, bandwidth and data speed in pole-to-pole data service
- Safety communications



All-Inclusive-Service

- From concept to go-to-market, we create the unique product match your need with you.
- Board solution offering - Sensing 、 Computing 、 SaaS to Cloud Service



Supply Chain Integration

Incorporate and manage uncertainty and risk within supply chain management

The market leader in satellite & radio communication technologies and solutions on land, aviation and maritime.

A trusted partner with proven records of All-Inclusive-Service & Solutions for global well-knew brands.



THANK YOU