

Empowering a
SMART FUTURE

2022 Avalue Introduction

Linda Chen | 2022/Jan.





AVALUE INTRODUCTION
CONTENT

Products and ODM Design Service,
Market-Oriented Applications

Company Profile

Products/ODM Design Service

Market-Oriented Applications

Manufacturing/DMS Service

Alliance & Partnership



2000 Established

Headquarters at Taipei,
Taiwan



2010
Public on **TPEX** (Taipei
Exchange) Market



Alliance
Intel IoT Membership
Microsoft IoT Partner

Branch

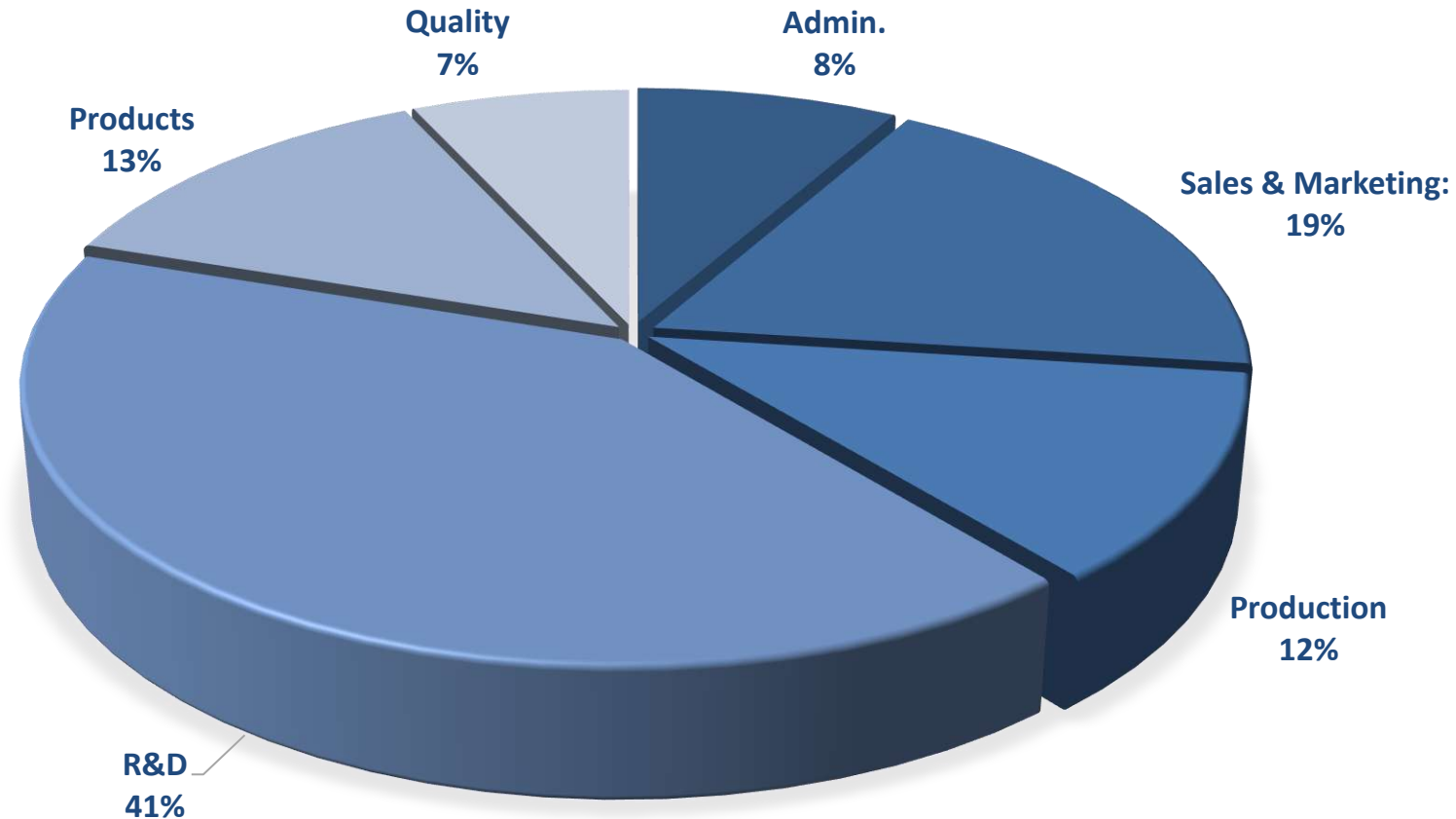
New Jersey, USA	Tokyo, Japan
California, USA	Kaohsiung, Taiwan
Shanghai, China	Redhill, UK



Certification

ISO-9001 : 2015
ISO-13485:2016
ISO-14001: 2015
ISO-45001: 2018



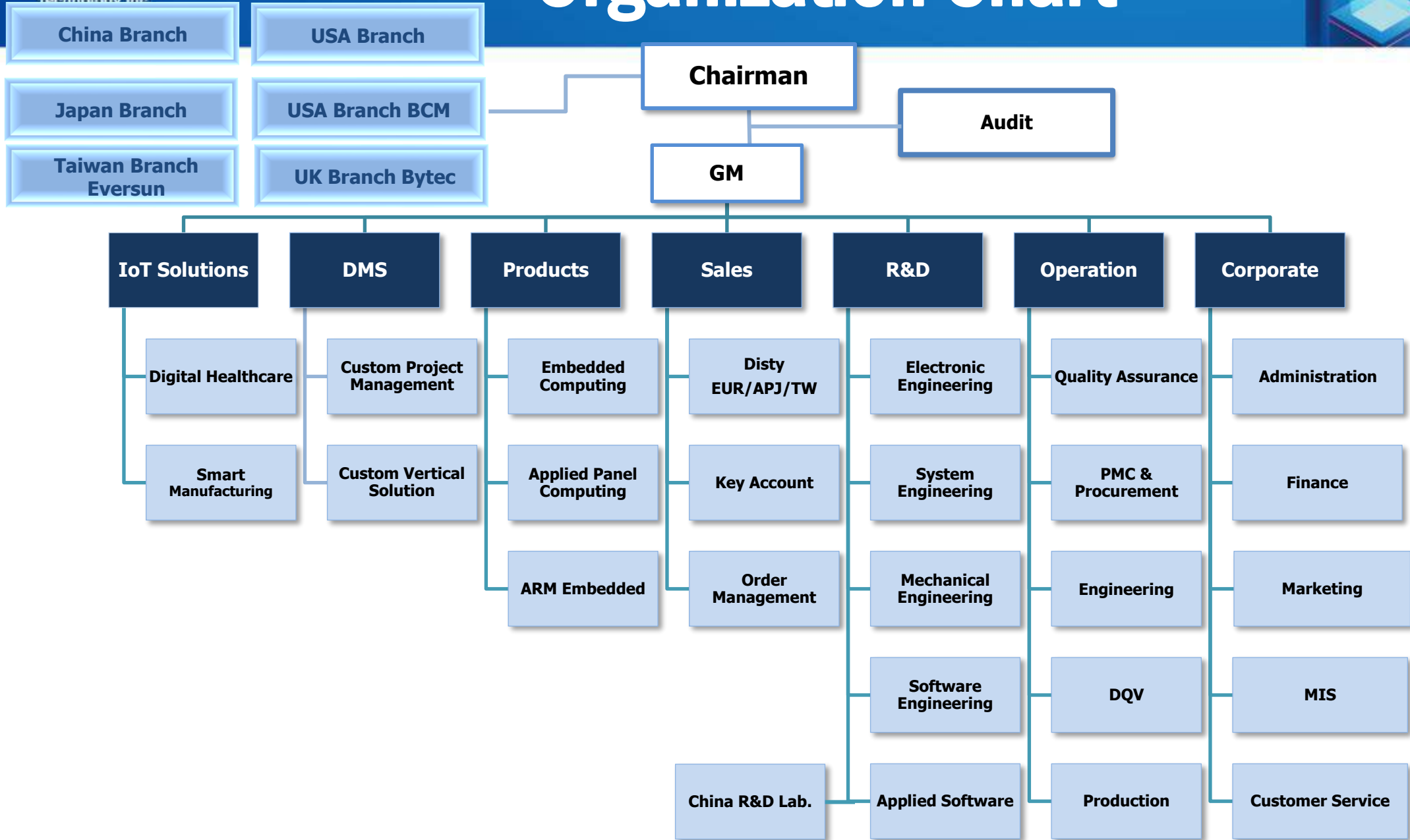


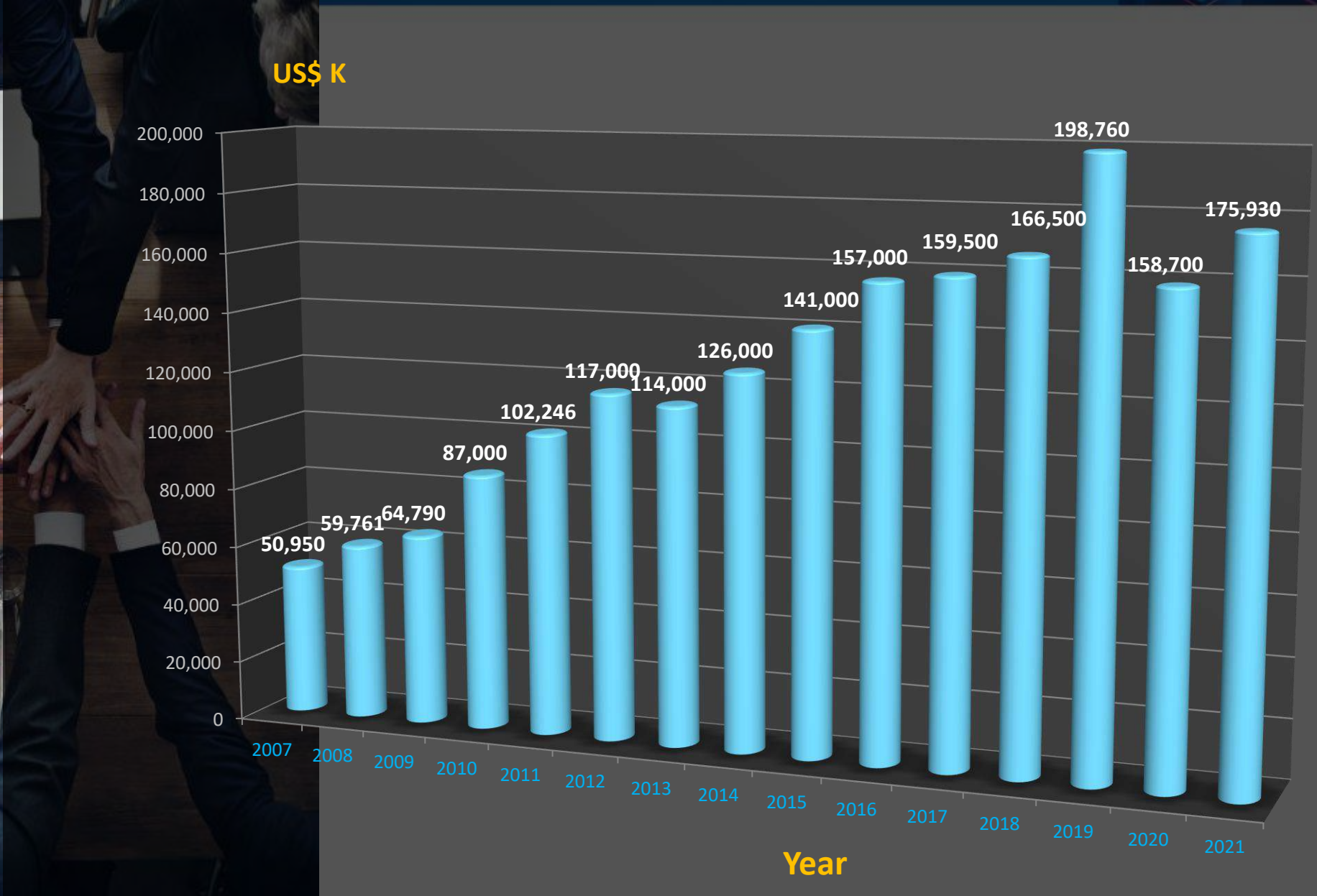
2022 Employee (Till 2022 Jan.)

Taiwan HQ: 306, China: 35, Japan: 11

USA/New Jersey: 17, USA/California(BCM): 46

Organization Chart







AVALUE PRODUCTS

Tailored to Your Needs

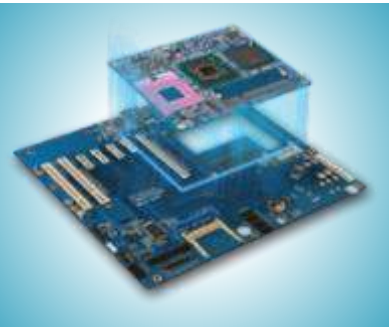
**ODM/EMS
Design
Services**

**Embedded
Computing**

**Applied
Computing**

**Medical
/Healthcare
Solutions**

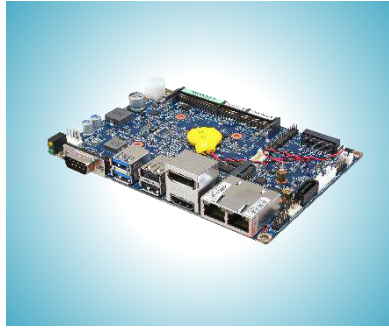
**Market
Ready &
IoT platform**



COM

Compact Size
30-Day baseboard
Prototype Service

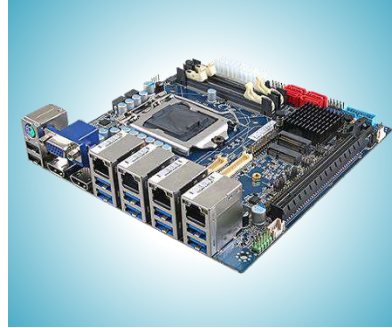
COM Express,
Q7



SBC

Low Power
Rich I/O Functions
Extreme
Performance

3.5"/ PICO,
1.8"



Industrial Mainboard

Product Longevity
Manageability
Reliable
Flexible

Mini ITX, Micro
ATX, ATX



Computing System

Longevity
Reliability
Customization
Modularization

Fanless
Compact
Ruggedization



DT/Tower Rackmount

Flexibility
Integration
Expandable

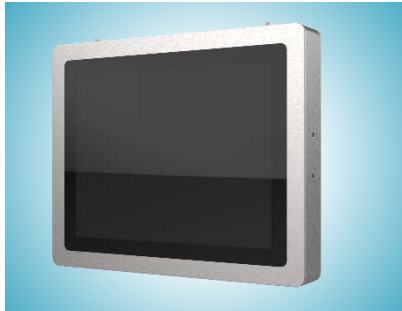
HPC
Industrial
Barebone



ARM

ARM-based
Rapid-
Development
Modularize

ARM Platform
SMARC



Healthcare Medical

Full HD
True Flat
Multi-touch

HID
APC

Ruggedize

Rugged
Wide Temp.
Water/dust proof

SPC
ODC

Multi- Functional

Slim Design
PCAP
Rich I/O
Light Bar

VNS
SID

Modularized Panel PC

Resistive
Expandable
PCAP
Wide Temp.

ARC

Open Frame

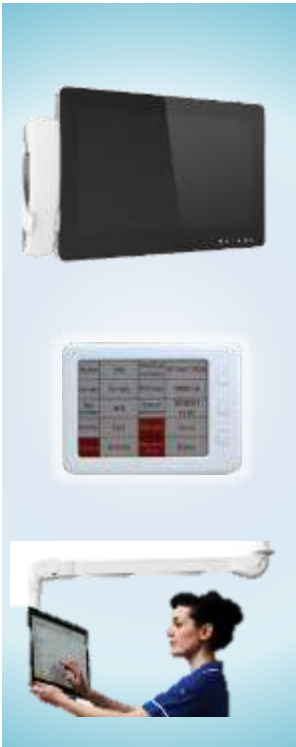
Multi-OS
Fully Flat
Low Cost & Power

OFT

Industrial Touch Monitor

PCAP
Multi-Touch
Fanless & Ultra
Slim

OFM
ARC



Mobile Station Tablet	PID/RID POC/ARM	AIO/Monitor Recording	Medical Cart PTZ Camera	Large E Ink PID/Signage	Open Frame SBC for HMI	SBC, Open Frame, UI	GBB Platform AI Solutions
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Nursing Station	Ward	OR	Tele-medicine	Digital Paper	Life/Lab Science	Fitness Rehab	AI
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All in One POS

Multiple OS
Rich I/O
Water/Dust Proof

RiVAR
RiPAC
Rity



Mobile Computing

Rugged Design
Light Weight
Long Battery Life

CAXA0



Digital Signage

Fanless
Multi-touch
Remote Control

Digital Signage
Self-Service



Intelligent Transportation

Longevity
Ruggedization
Modularization
Multiple COMM.

In-Vehicle
Marine
Railway



Smart Manufacturing

Real-Time
Locating/Tracking
Predictive
Maintenance

ARTEMIS



ODM Consultancy
Project Management
Organization
Project Administration
Project initiation & Evaluation



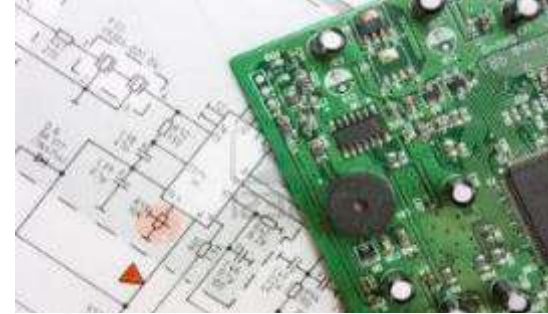
System Engineering
Wide Operation Temperature
Wide Voltage Power Input
IP Standard Compliant
Various Touch Technologies
Various Add-on Peripherals



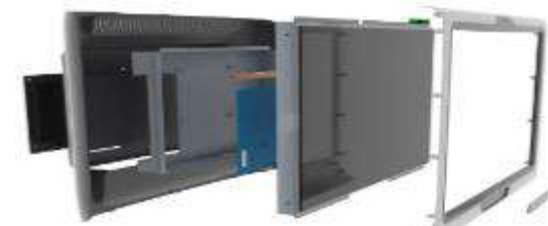
DQV Engineering
Product Validation
Compatibility Test
Environmental Test
Reliability Test



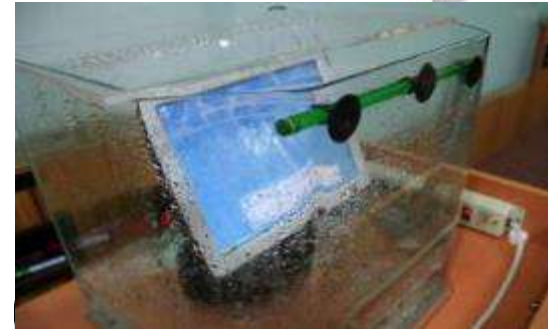
Technical Support
Application Engineering
RMA, Warranty
OS Adaptation
Driver, LCD Test
BIOS Adaptation



Electronic Engineering
Schematics/PCB layout
Power Circuit plan
Prototype Fabrication
Digital, Analog, and Mixed
Circuit Design

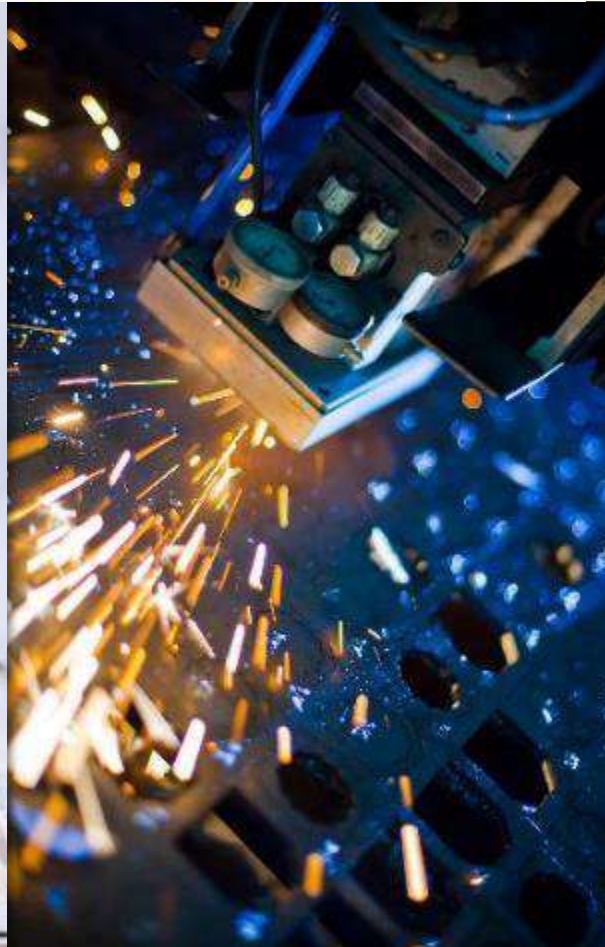


Mechanical Engineering
Industrial Design
Structure Analysis
Rapid Prototyping
CNC, Laser Cutting
Aluminum Extrusion/Die-
Casting
Plastic/Metal Tooling
IP Standard Certification
Thermal Simulation



Solution Engineering Service
RISC Based System Integration
Product Diagnostic Utility

Focused IoT Segments



Digital Healthcare/ Medical

Smart Retail

Smart Manufacturing

Intelligent Transportation

Digital Healthcare/ Medical



Enabling digital healthcare with Avalue intelligent healthcare solutions from high end imaging, mobility to digital hospital

Medical Equipment



Point of Care



Medical Imaging



Fitness/Rehab Equipment



Digital Hospital



Customized
ODM



Customized
ODM



ISO-13485:2016
UL 60601-1

Improve healthcare performance with Avalue Intelligent Healthcare platform, Avalue's products adhere to the strictest medical standards and provide unsurpassed reliability

Digital Healthcare/ Medical



"The Medi-Table is a technology revolution no cables or arms on the wall provide a flexible mobile product solution."



"Remedi can design, manufacture, deliver and support our customers, partners and end users within healthcare with complete confidence."

Point of Care Solution

- Bedside infotainment



Solutions designed to fit your

Healthcare Environment



Ultra-low Power, Slim, Light Weight

Communication Board | Digital Signage | eNote | Door Sign | Bedside Card

No Light Pollution: Reflective Display

Digital Online Device: Enable to Integrate with
EMR/EHR

Energy Efficient: Low Power Consumption to save
operation cost for hospital

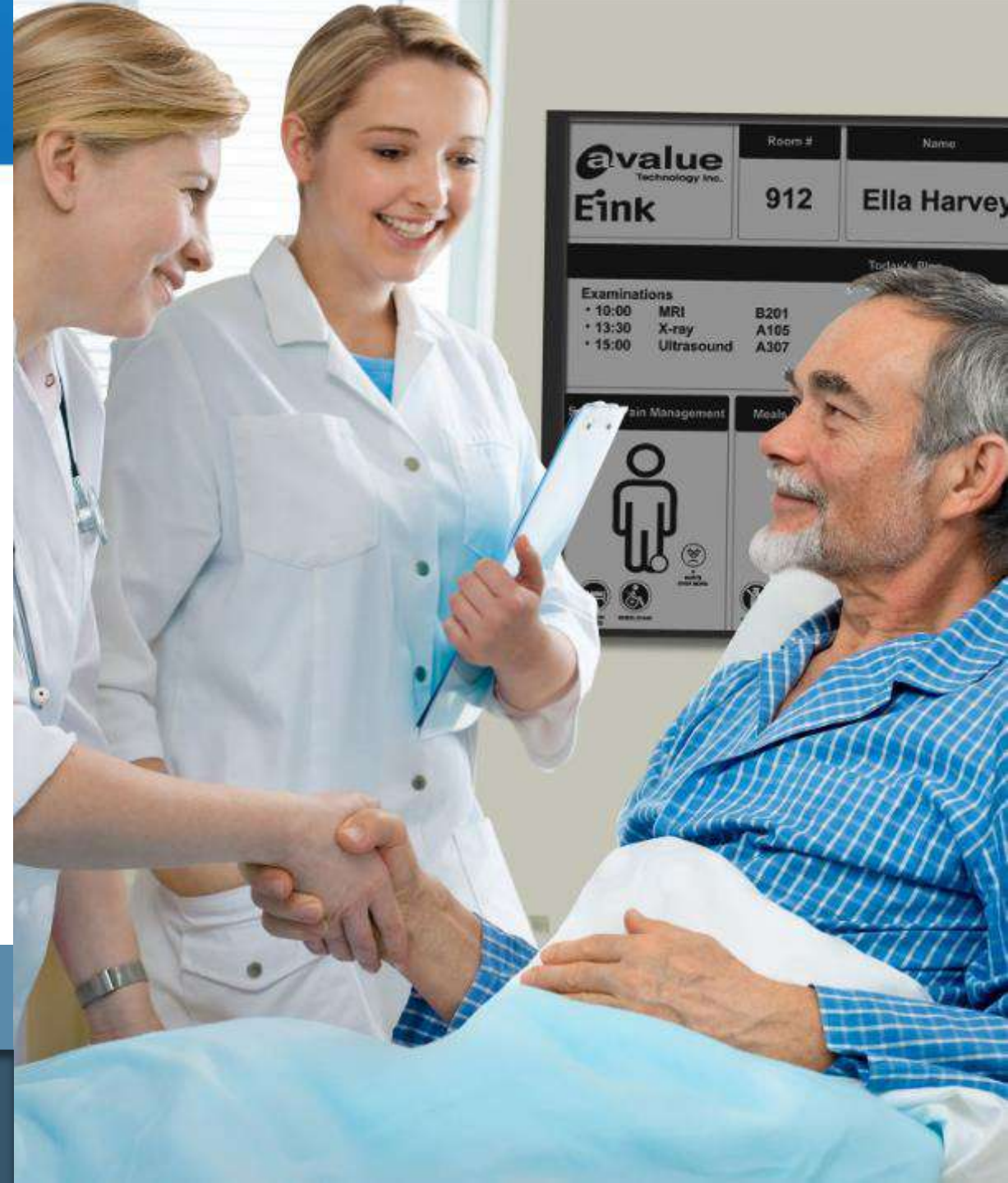
Easy Operation: Content "Always-On"



Communication
Board for Patient

eNote Tablet

Patient Bedside
Care Sign



Digital Healthcare/ Medical



Point of Care Solution

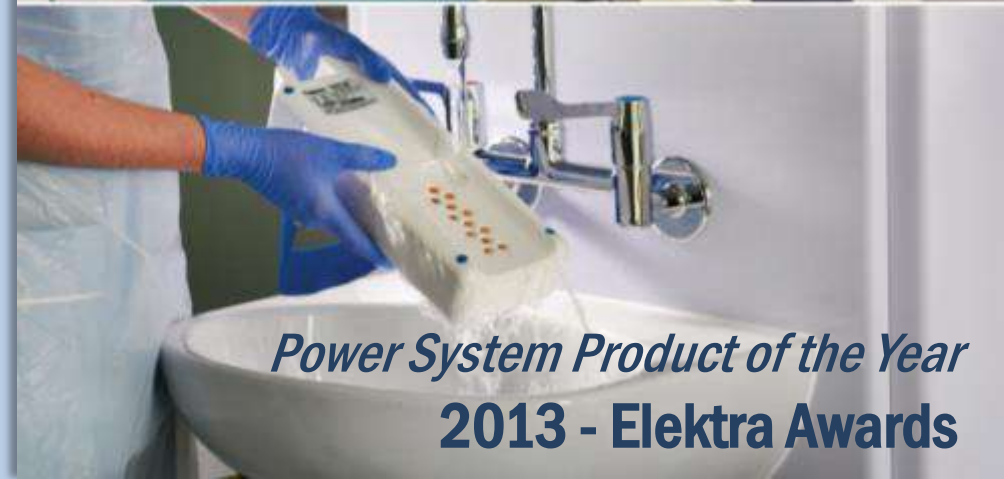
- Mobile Nursing Cart



"Colour coded MIT-Carts and accessories will complement working environments."



Workstation Carts
Battery Power System
Mounting Solution



*Power System Product of the Year
2013 - Elektra Awards*

Digital Healthcare/ Medical

Medical Imaging Solution



User-friendly functions

Intelligent design with medical use approval

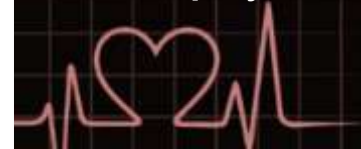
Endoscopic
Display



Ultrasound
Display



X-Ray
Display



Operating Room
Display



✓ **Medical** : cUL/UL , IEC/EN 60601-1

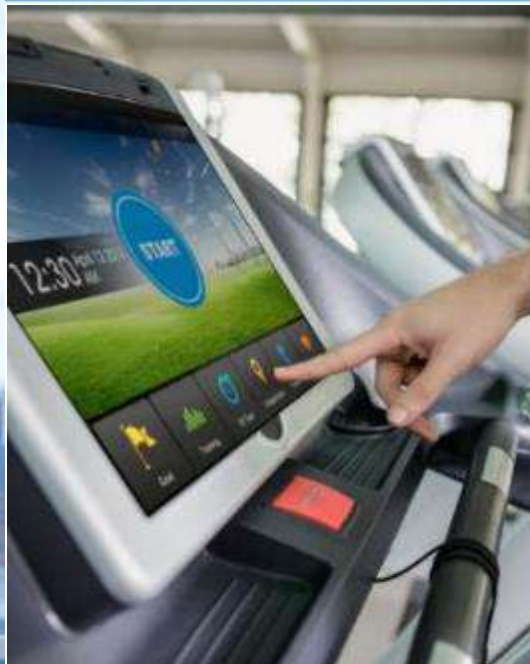
✓ **Imaging** : DICOM Standard, DIN 6868-57, ISO12646



Fitness/Rehab Equipment

Multimedia Cardio Equipment

Digital Healthcare/ Medical



Multi OS Solution-ready
open frame terminal



Support Multimedia



IoT connectivity

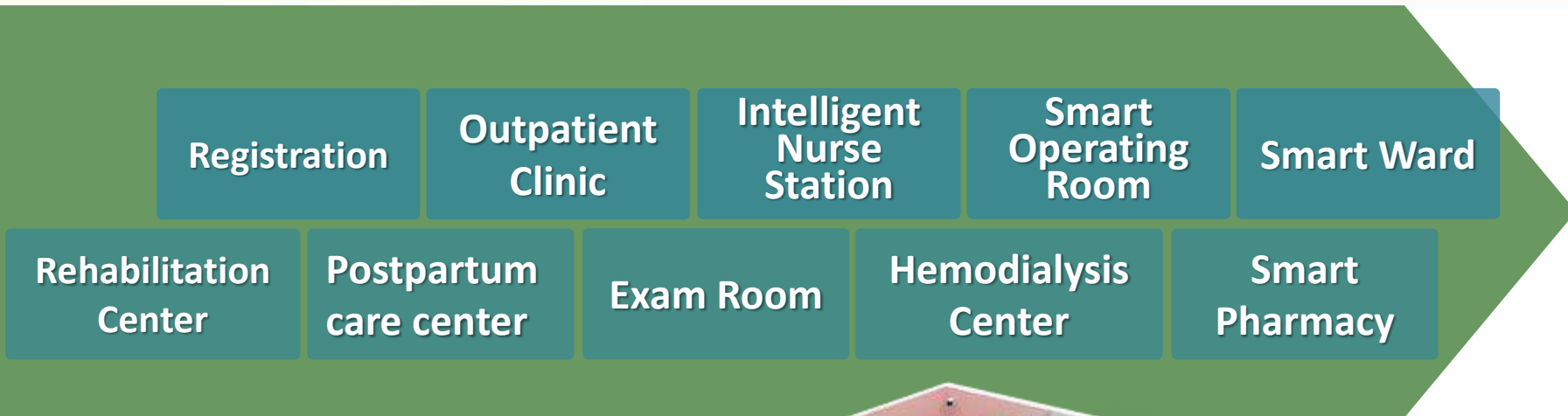
10.1"/15.6"/18.5"/21.5"
Multi OS Supported



TV / IPTV/OTT / VOD
Android / iOS
Multimedia

Health monitoring
Wearable, external
medical devices with
blue tooth or MEMS

Digital Hospital Solution



For more than 15 years hospital experience, Avalue integrate medical devices with strict medical standards, software, IT infrastructure, communication, hospital logistic and IoT technology for all digital hospital needs.





Digital Signage



Point of Sale



Mobile Solution



Smart Cloud-base Retail



Optimal customer experience through real-time convergence of sensors, analytics & mobility

Retail data paired with analytics can generate new retail insights while creating capabilities that improve merchandising efforts.





Smart Service Solution QSer

Innovative Digital
Hospitality



AI Object Recognition Checkout Solution

Detection & recognition of
the type of object and
price with AI



Smart Manufacturing



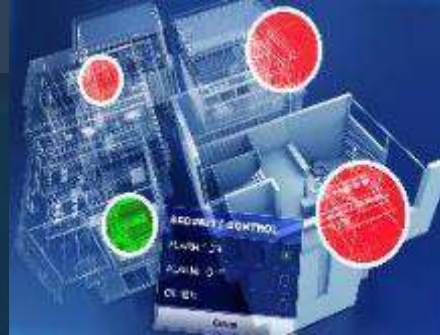
Industrial PC



MES/ Human Machine Interfaces



ARTEMIS Real-Time UWB Indoor Positioning



Prediction Maintenance



Covers all areas of industry where automation technologies are integrate including smart manufacturing, Human Machine Interfaces and energy end-to-end solutions and improve control and management of industrial processes

Smart Factory & Intelligent
Manufacturing





High Accuracy (30~50cm)

- BLE (4m~10m)
- ZigBee (5~10m)
- WIFI (6~10m)

High Position Stability

- The most reliable and high precision(<50cm) RTLS solution

High Penetrability

- Easy to penetrate through glass / wood / plastic / thin wall

Low Power Consumption

- Long battery life
- 900mA/h for 1 months battery / per second
- 900mA/h for 4~5 months / per 5 seconds

Anti-Interference(RF)

- High frequency 3.1~10.6 GHz
- Wide bandwidth and narrow pulse which can coexist with other RF source

Non-invasiveness to human body

- Low radiation power

High speed communication

- Up to 480Mbps data rate



RENITY ARTEMIS - Real-time Locating and Tracking Solution

Real-Time Location System Ultra-wideband (UWB)



Benefits

- A complete overview in your warehouse in real time. A well-connected warehouse.
- Access control- Enhance security and reduce accidents in workplace via creating geofencing.
- History path and real time location tracking of any moving targets.
- Logistics process optimized based on collected statistics and history records.



Marine/ In-Vehicle



Driving Behavior Monitoring



Traffic Enforcement



AI Recognition Safety Warning



Enable tomorrow's innovative IoT-connected ITS technologies to integrated Railway, Marine, Logistic and fleet with regulatory-compliant solutions





AI Recognition Traffic Solutions

Avalue traffic enforcement system is an automated solution to identify traffic violation and recognize vehicle license plate number to improve road security not interrupting traffic flow

Parking Enforcement Solutions



Smart City

AI Recognition Safety Warning



Features & Benefits



REMOTE CONTROL



REAL-TIME MONITORING



PREVENT TRAFFIC VIOLATION



EFFICIENT TRAFFIC ENFORCEMENT



REDUCE TRAFFIC CONGESTION

- **Pedestrian Crossing Warning**

A warning signal at no traffic light junctions

- **Collision Warning**

Provide vehicle deceleration warning at no traffic light junctions

- **Violation Warnings and Reports**

Reduce illegal parking and traffic congestion

- **Driving Behavior Monitoring**

Enhanced bus fleet safety and its management

IoT-Ready Solutions



Smart Retail



- QSer Smart Service
- AI Object Recognition Checkout Solution

Digital Healthcare/ Medical



- Nurse Station (Digital Board, eNote, Mobile Cart)
- Smart Ward (Beside Terminal, Room info. Display)
- Fitness/Rehab Center

Smart Manufacturing



- ARTEMIS Real Time Indoor Positioning and Tracking Solution - (UWB)

Intelligent Transportation



- Traffic Enforcement
- AI Recognition Safety Warning
- Marine/Railway/In-Vehicle Equipment

Avalue Plant Location

**Taipei
Headquarters**



**Admin./Finance
Sales/Marketing
Research & Development
Laboratory**

**Taipei
Li-De Factory**



**Supply Chain Management
Warehouse
RMA center
Value Added MFG Service**

**Taoyuan
Compal Factory**



**PCBA
System Assembly**

**Kaohsiung
Eversun Factory**



**EMS Service
PCB/System Assembly
PCBA Test**

**European
Service Centre**



**RMA/Logistic
Center**

Eversun Factory Capacity



Capital (US\$)	6 Million
Space	10,000 Square Meter
Employee	340
Certificate	ISO 9001/14001 / 13485 / IATF16949
Capability	5 SMT lines 2 DIP lines System/Solution Assembly Component Engineer Material Purchasing & Storage

**SMT 5 Lines, DIP 2 Lines,
System 3 Lines**

▶ ISO-9001 : 2015
ISO-14001: 2015
ISO-13485:2016
IATF 16949:2016



20 years manufacturing service
experience, 10,000 sq. meter in
Kaohsiung

Made in Taiwan



Green Product Management System

Assembly/QC Processes



Assembly Line



- ▶ IPQC
- IR Reflow
- 100% Visual Inspection



In-circuit test (ICT)/
Function test



- ▶ Quality Control
- AOI/Visual Inspection

One Stop DMS Services

Project Management

PLM/EOL/ECR Management
Revision Control

Component Engineering

Component Cost Reduction
Shorten Lead Time

Industrial Standard Certification

ISO-9000/14000/13485
UL/TS-16949

Global Logistic Supports

Supply Chain
Inventory
Warehousing
Materials Handling

Professional DMS

Consolidation of ODM and EMS
Design Manufacturing Services

Strategic Alliance

PARTNERSHIP SYNERGY



Leading platform of “**Mobile First, Cloud First**”
Cross-platform services, transform into Internet of Things with Azure Enterprise cloud



Procurement Power (Supply Chain) , Technology Support, Sales Channel, Design Quality Verification and Manufacturing



Provides the building blocks to develop hardware and software for the Internet of Things

Empowering a
SMART FUTURE

Thank You For Listening

