



iBASE

www.ibase.com.tw

IBASE TECHNOLOGY INC.
(STOCK CODE: 8050)
INVESTOR CONFERENCE

DEC. 15, 2021

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Company Profile



Financial Information



R&D Capabilities



Main Products Introduction



Future Opportunities



Q&A



— Company Profile

Company Snapshot



Founded

**February
2000**



Chairman

C. S. Lin



Capital

NT\$1.77B



Employees

770
(Worldwide)
530
(IBASE HQ)

Core Business

Industrial PC Products
Network Security Appliances

Location

Nankang Software Park
Taipei, Taiwan

Stock Code

TPEX 8050 (Since 2003)

Subsidiaries



IBASE Manufacturing Sites



3,481 m² / 1,053 Ping

SANCHUNG

- Board Production
- Validation

Total Size

300,851 Square-feet
(27,950 m² / 8,459 Ping)

100%
Made in Taiwan



6,070 m² / 1,840 Ping

HSINCHUANG

- System Assembly
- Validation

Capacity

- SMT Line x 3
- DIP Assembly Line x 2
- System Assembly Line x 10
- Cleanroom x 1
- Burn-in Room x 13



18,399 m² / 5,566 Ping

PINGZHEN

- Board Production
- System Assembly
- Validation

Certifications



ISO 9001



ISO 14001

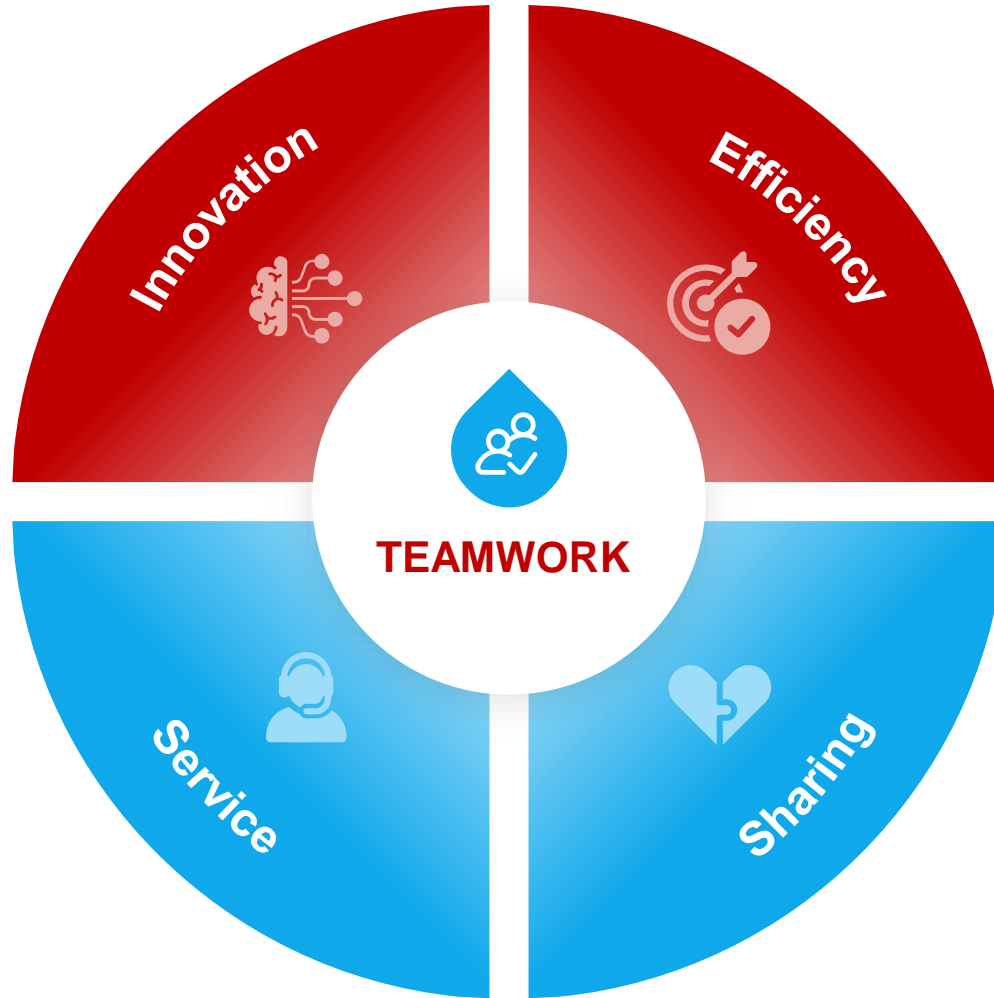


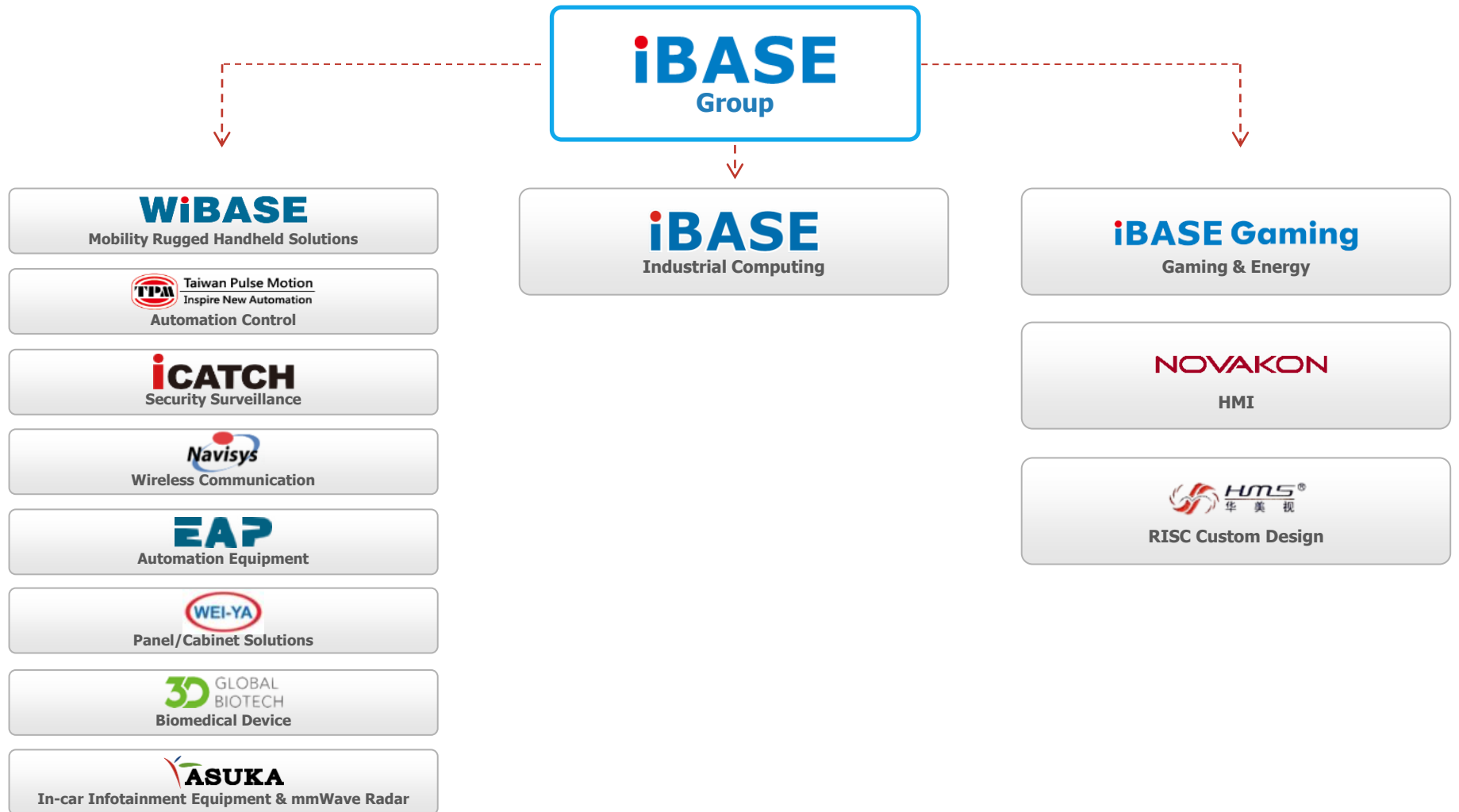
ISO 13485



ISO 27001





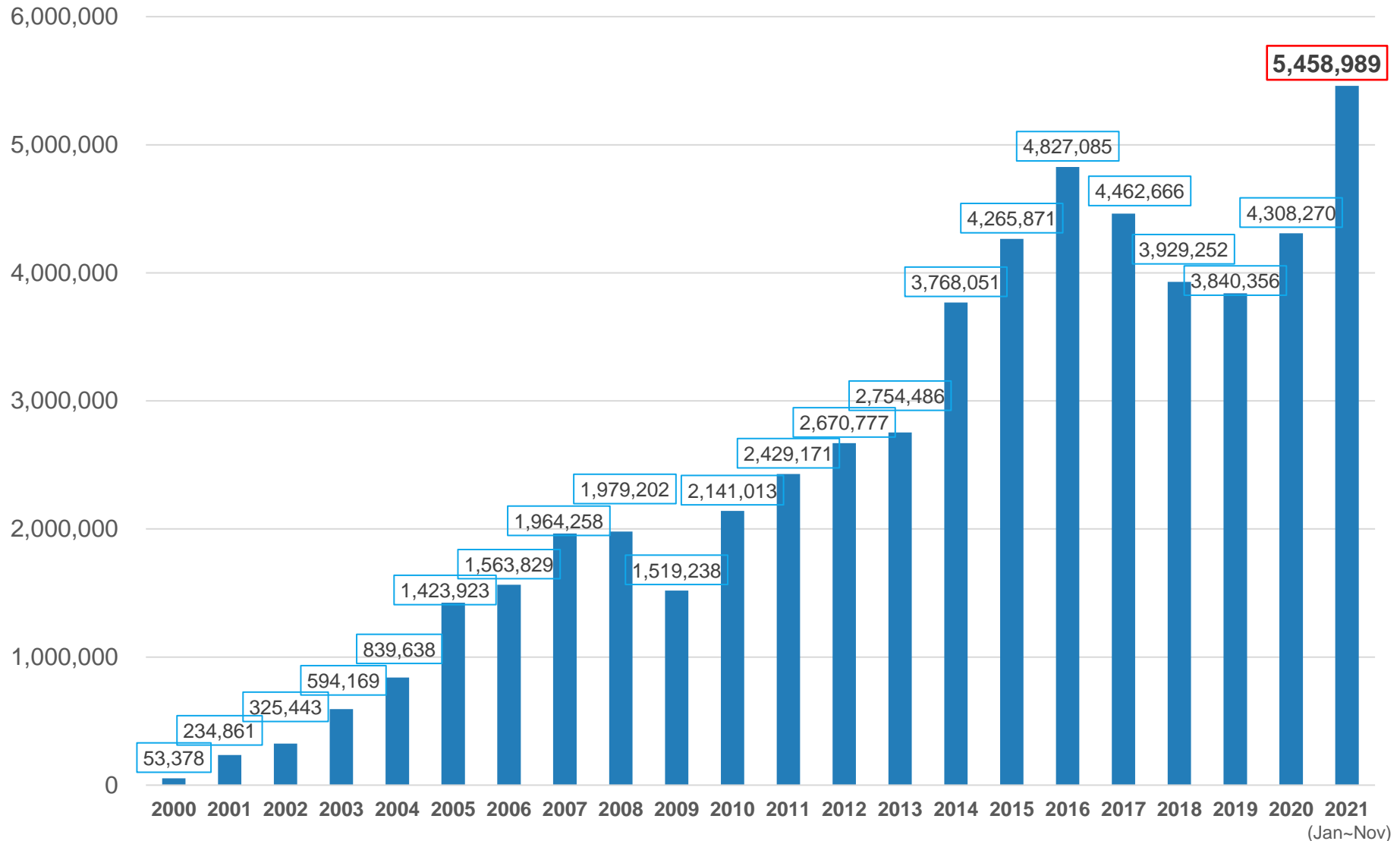




— Financial Information

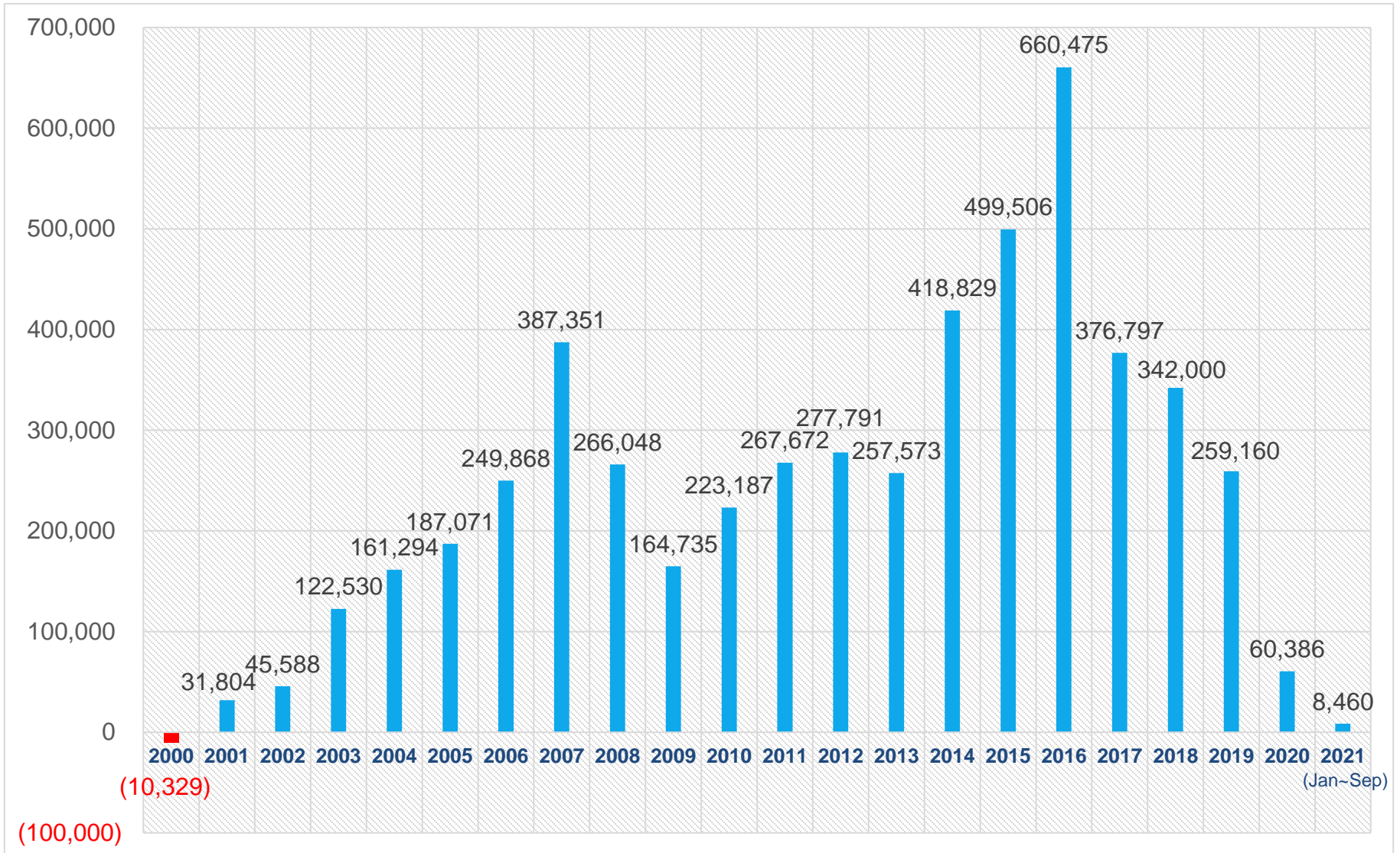
IBASE Group Revenue (2000 ~ Jan-Nov, 2021)

NTD / Thousands



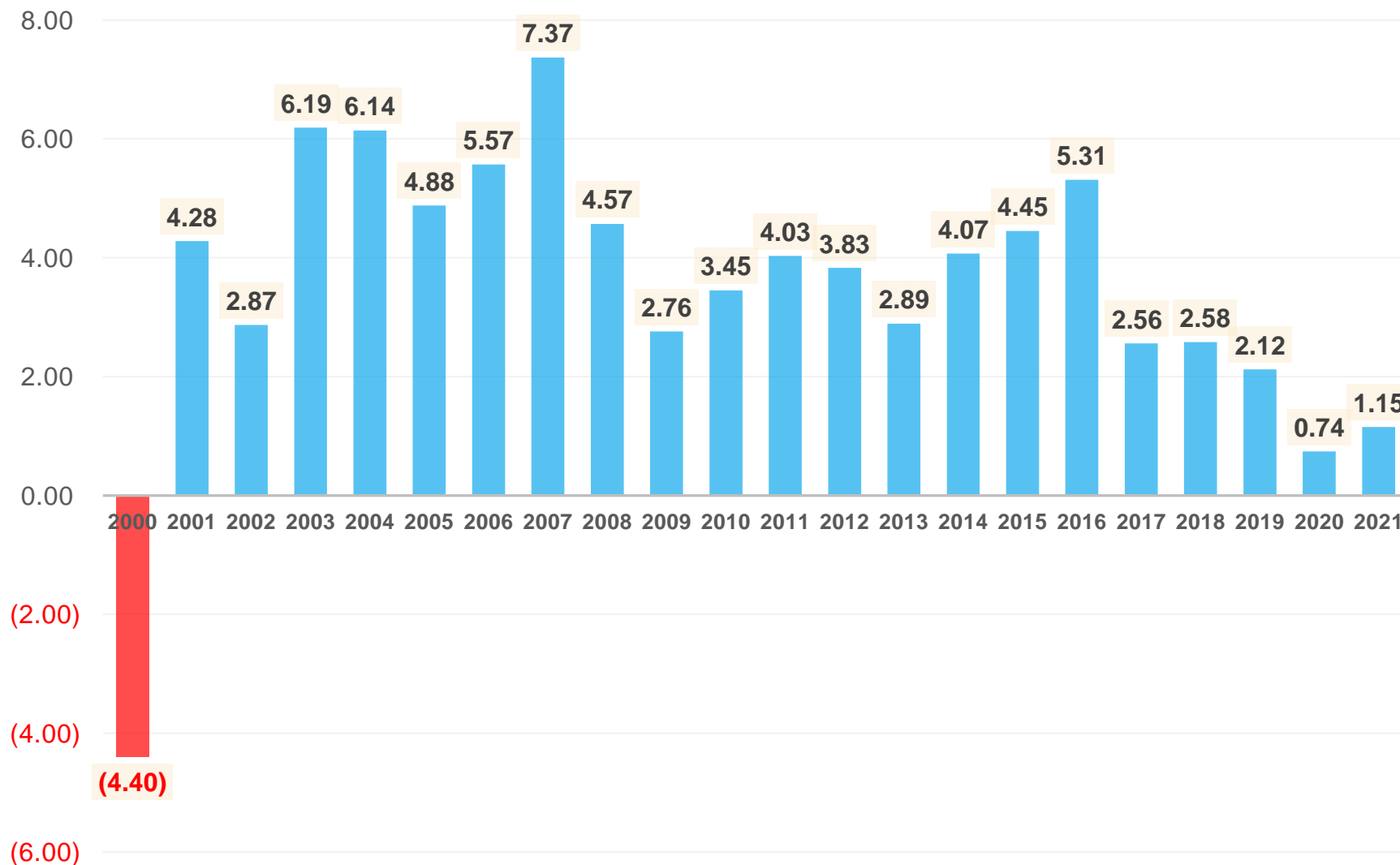
IBASE Group Net Income (2000 ~ Jan-Sep, 2021)

NTD / Thousands



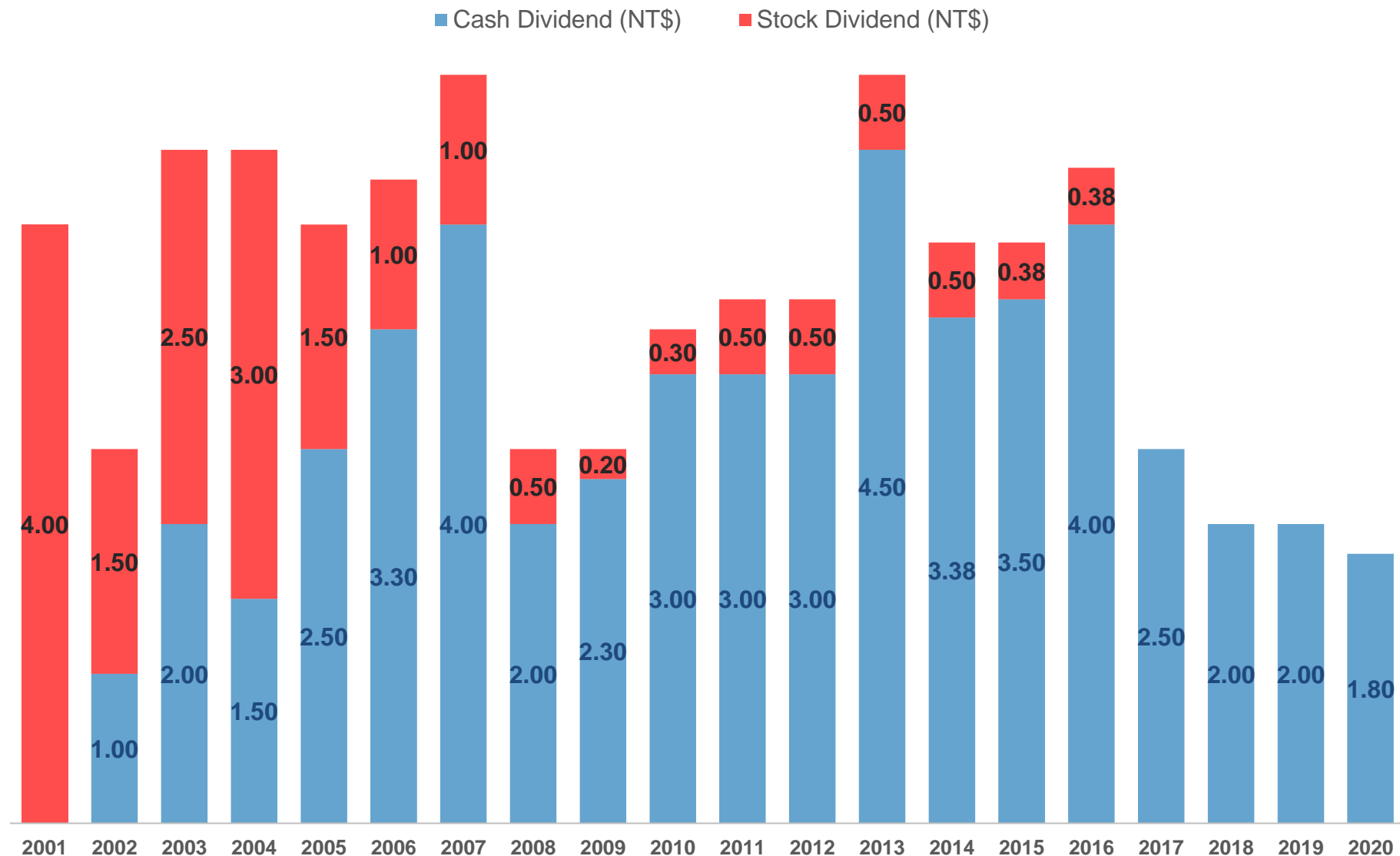
IBASE EPS (2000 ~ Jan-Sep, 2021)

NTD / Dollar

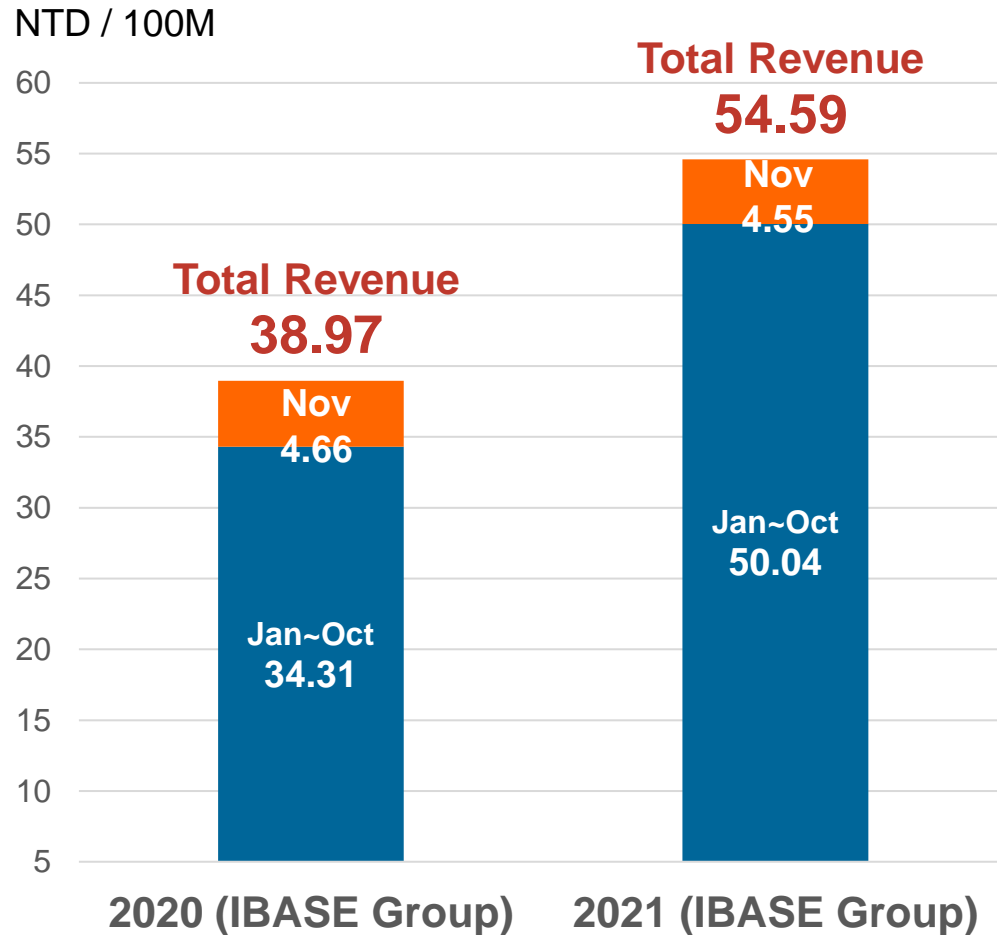


Dividend Information (2001 ~ 2020)

NTD / Dollar



IBASE Group Growth Rate 40% (2021)





— R&D Capabilities

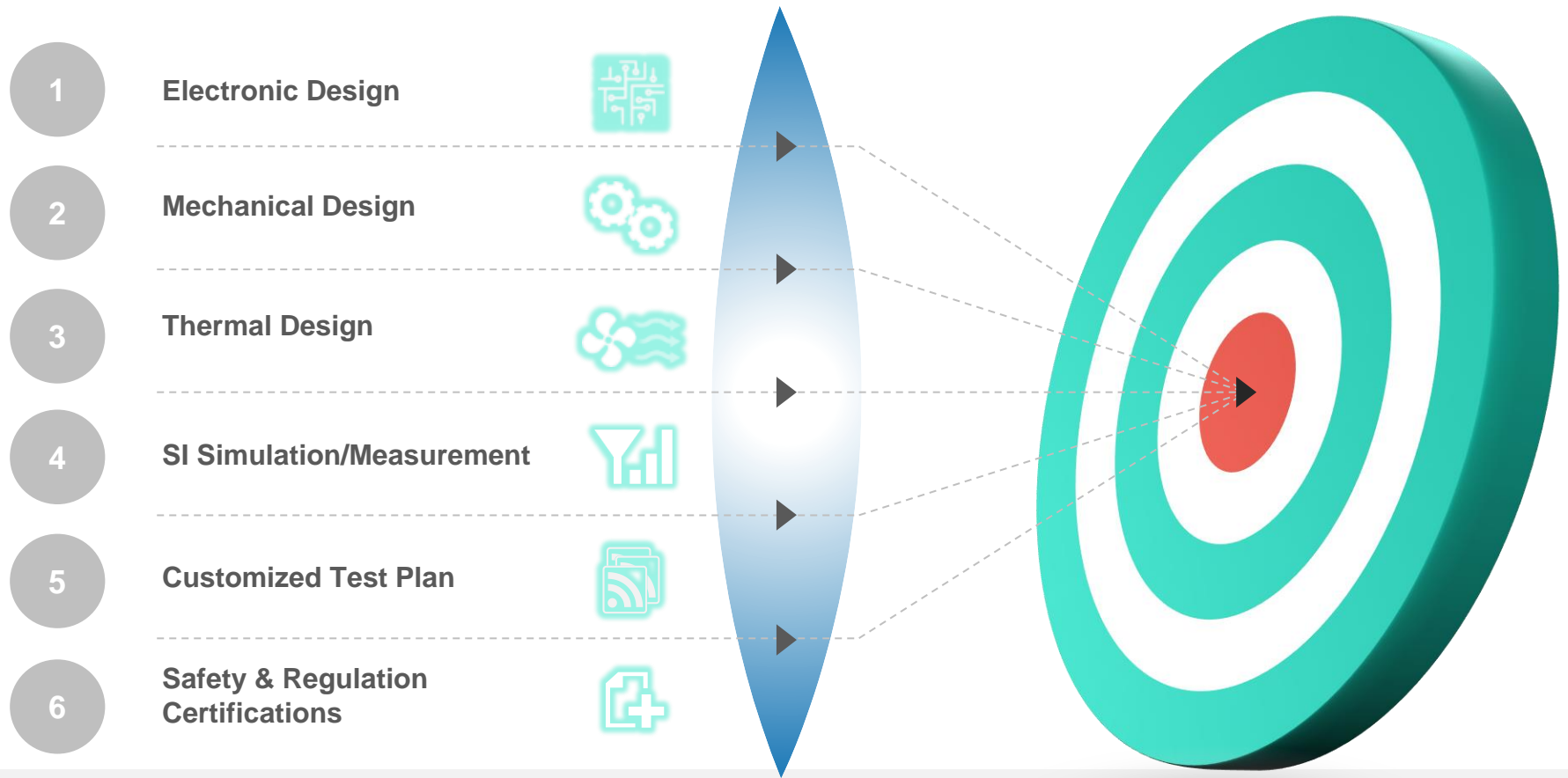


IPC Fields Experienced R&D

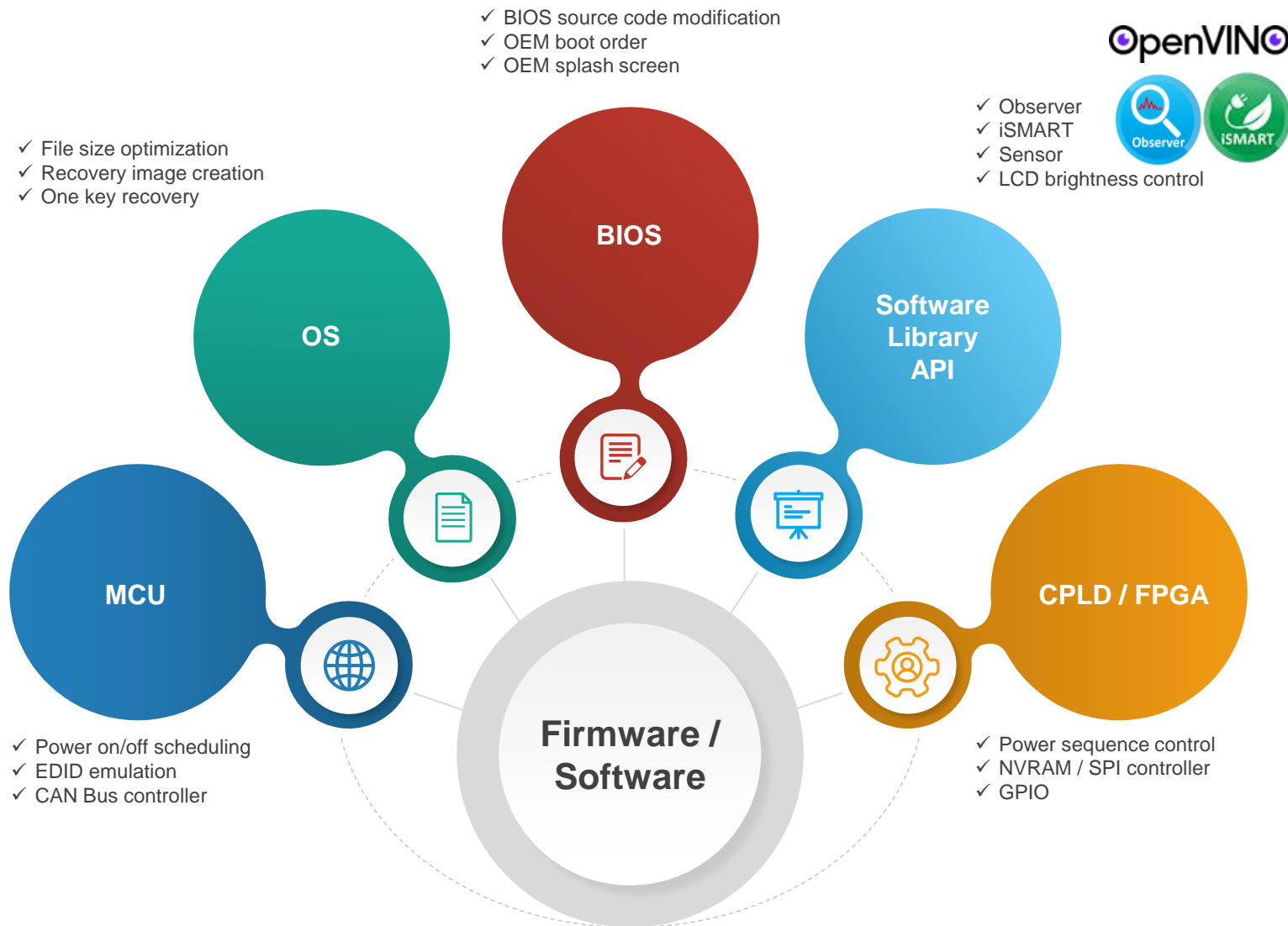
- Over 20+ Years Experience → 50%
- 5~20 Years Experience → 45%

- ✓ Hardware Design
- ✓ Software Design
- ✓ Reliability & Compatibility Validation

Hardware Development Capabilities



Software Development Capabilities



Hardware

01

Electrical Validation - Low Speed Signal

- Clock / SMBus / SPI Waveform Test
 - Intel/AMD Power On Sequence Waveform Test
-

02

Electrical Validation - High Speed Signal

- USB / SATA / PCIE / Ethernet Eye Diagram Test
 - SFP+ / SFP28 / HDMI / DP Eye Diagram Test
-

03

Power Verification

- Transient and Ripple Measurement
- Output OC/OV Protection
- Turn On/Off Overshoot
- Power Efficiency Test
- Multi Phase Synchronous Control Test
- Thermal Compensation Test

Software

01

Mainstream OS

- Windows or Windows Server
 - Linux
-

Reliability

- 3DMark 11 Advanced Edition
 - FurMark
 - PassMark BurnInTest for Windows/Linux
 - MemTest86 Pro
 - MobileMark
 - PCMark Advanced Edition
-

02

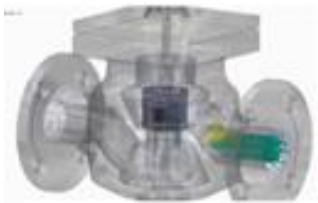
Performance

- Xena Network Throughput Test
- PassMark Performance Test
- 3DMark Fire Strike
- 3DMark 11 Advanced Edition
- PCMark

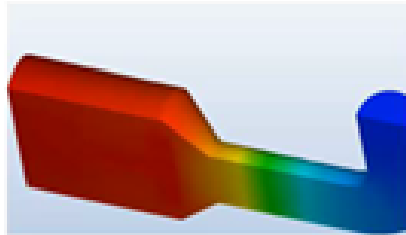
03

Thermal Simulation – Autodesk CFD Advanced

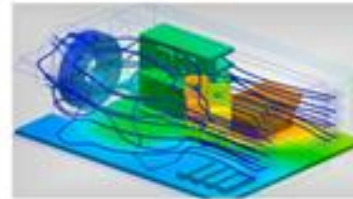
Flow control



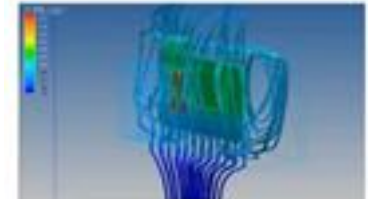
Heat transfer analysis



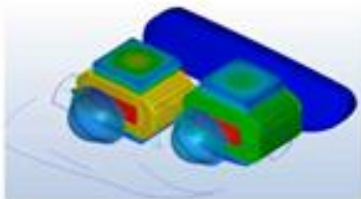
Forced Convection



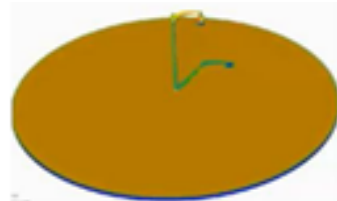
Natural Convection



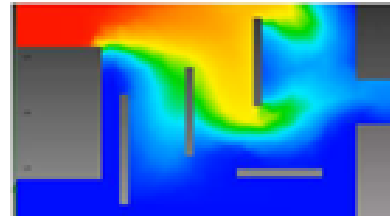
Thermal radiation analysis



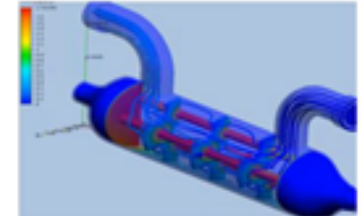
Solar Radiation



Concentration and Mixing analysis

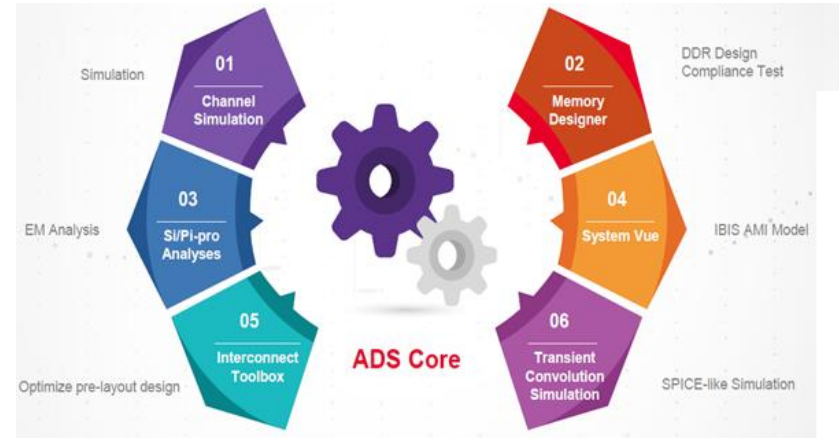
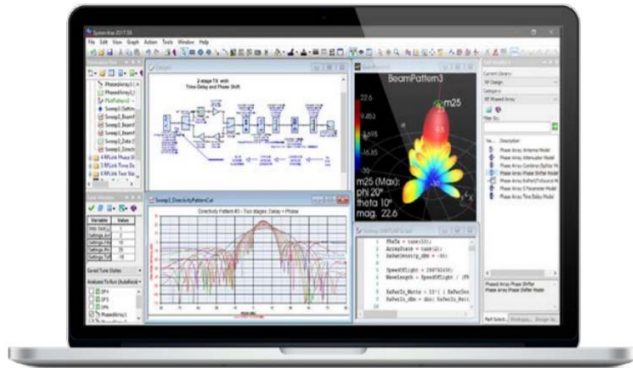


Condensation Analysis

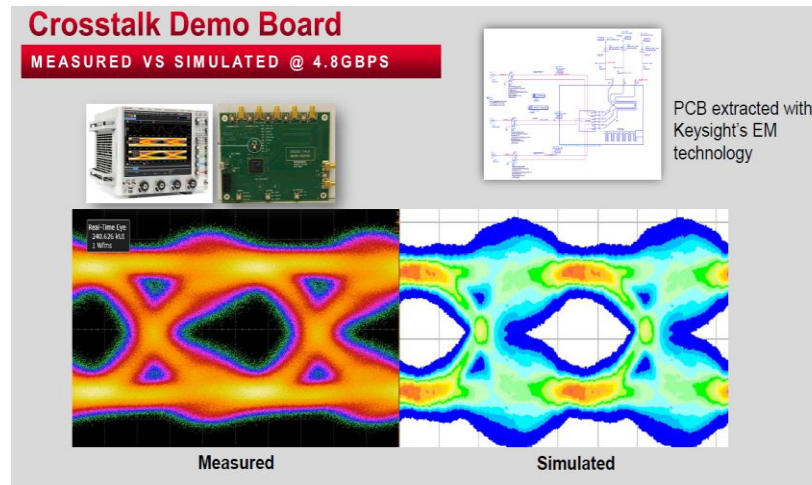


Hardware – Simulation Tools

- Keysight ADS 2020



- Crosstalk Simulation





— Main Products Introduction

Main Product Lines

Embedded Computing

Embedded Boards,
Fanless Systems & IoT
Gateway Computers



Industrial Panel PC

Stainless Steel, Open
Frame & Fanless Panel
PCs



Digital Signage Player

Entry-level, Mid-range,
Extreme Performance &
Outdoor Players



Network Appliance

2U/1U Rackmount
& Desktop Appliances



RISC Platform

RISC SBCs & ARM-
based IoT Gateway
Computers
















Intelligent Transportation

Railway Computers &
In-Vehicle Computers



Award-winning Products

 <p>SI-24S</p> 	 <p>SI-38</p>   <p>AFB100</p> 	 <p>SI-60E</p>   <p>SE-92</p>    <p>ARTSI-32TM</p> 	 <p>SI-623-N</p>   <p>UMT-7211</p> 	 <p>MPT-3000RP</p>   <p>DRD-037PC</p>  <p>MAI602-M4D80</p>  <p>SI-324</p>	 <p>VINO2100</p>   <p>SP-63E</p>  <p>AMI230</p>  <p>MPT-1000R</p>  <p>MPT-8000AR</p>  <p>MRD-286</p>
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 <p>SI-24S</p>  	 <p>SI-38</p>   <p>BST-1850</p> 	 <p>SI-613</p>   <p>MPT-3000R</p>   <p>SI-304</p>  <p>SI-60E</p>  <p>FWA5104</p>  <p>ASTUT-W153</p> 	 <p>UMT-7211</p> 	 <p>SW-101-N</p> 	 <p>MPT-500R</p>   <p>CMB100M</p>  <p>IKS2700</p>
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AIoT

NVIDIA Platform

Embedded System



Intel Platform

Embedded System



Qualcomm Platform

SMARC CPU Module





AI

Education Platform

AIER1000 AI Education Platform



Intel Core Platform



AMR

Autonomous Mobile Robot

ASB200 Embedded System



Intel Core Platform



3D

Visualization System

ODM Embedded System



Intel Core Platform



High-Speed Rail Track Inspection System

FWA8408 Network Appliance

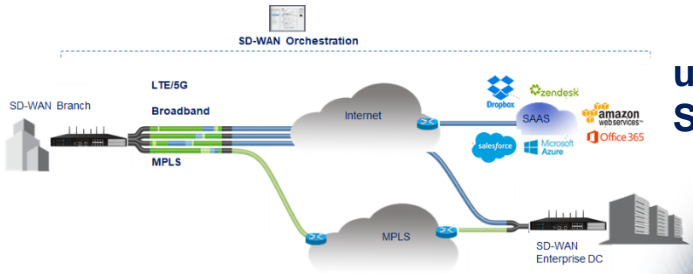


Intel Core Platform



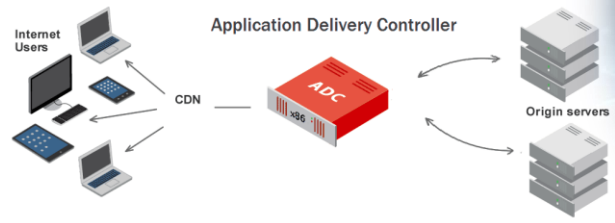
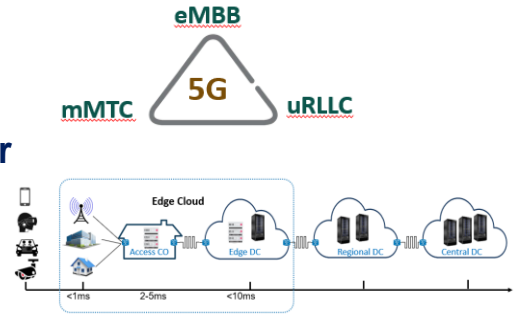
Networking

5G Development Trend



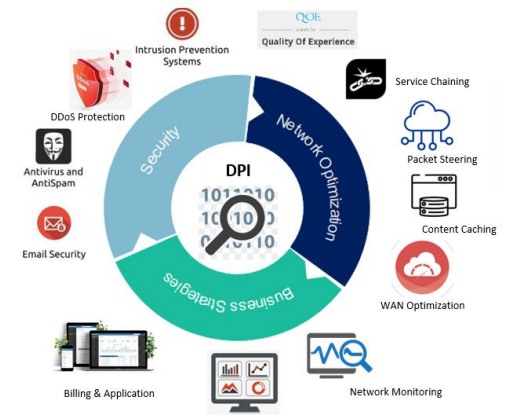
**uCPE
SDWAN**

**MEC
Edge Server**



**Application
Delivery**

**Network
Security**



Edge Computing Products – 5G(uCPE/SD-WAN & MEC)

INA1600R

INA1600V



- LTE/5G & Wifi/Wifi 6
- 8 Antennas
- Optionally supporting up to 50°C

Sub Entry

Entry

AMD
R1000
R2000
V1000

Intel
Denverton
C3000

Intel
Ice Lake-D

Intel
Ice Sapphire
Rapids SP
(Dual)

Premium

Performance

INA2600



- LTE/5G & Wifi/Wifi 6
- 6 Antennas

INA5606

- LTE/5G & Wifi/Wifi 6 supporting 8 Antennas
- 1x Ethernet Module
- IPMI Remote Control
- Short chassis



INA7602

- Modular Design
- IPMI Remote Control
- OTII complied
- Up to 8 PCIe expansions
- Short chassis



Data Center Firewall System



A blue-tinted photograph of an industrial factory floor. In the foreground, a control console with two keyboards and a central monitor is visible. The monitor displays various data points and graphs. In the background, several white robotic arms are positioned along a production line. The ceiling features a grid of lights and ventilation ducts.

Automation

Success Story – Factory Automation Equipment



SMT

Automatic Production
Equipment





AOI

Automatic Optical Inspection System

AMI221 Fanless System



Intel Core Platform



Digital Signage

Digital Signage Product Features

Hardware EDID Emulation



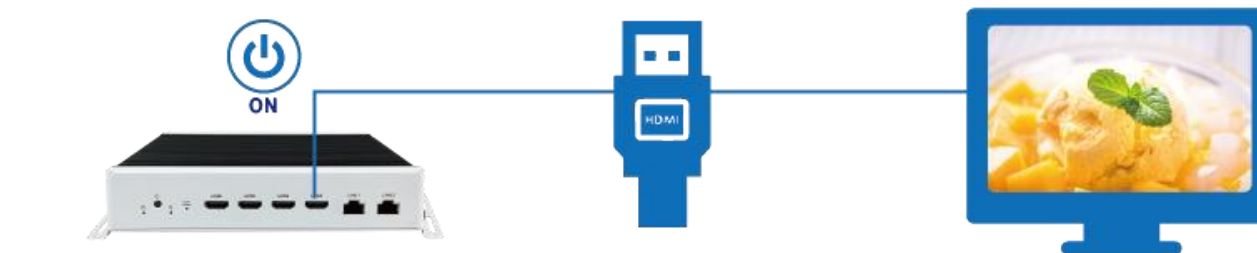
The hardware EDID (extended display identification data) emulation function prevents screen convergence issues due to cable disconnections, and erroneous hardware settings or digital playback software settings.

Display Status Monitoring



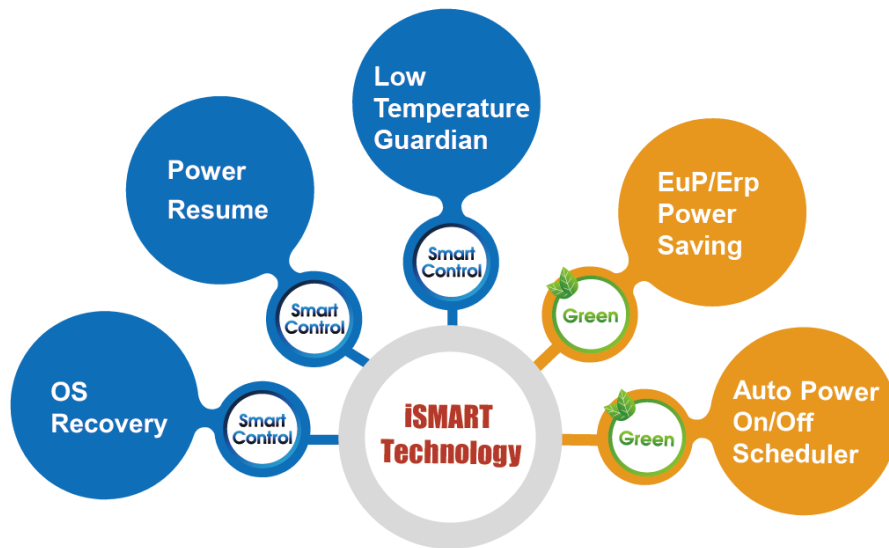
Built-in display monitoring function helps monitor display status from the field sites continuously.

HDMI-CEC Function

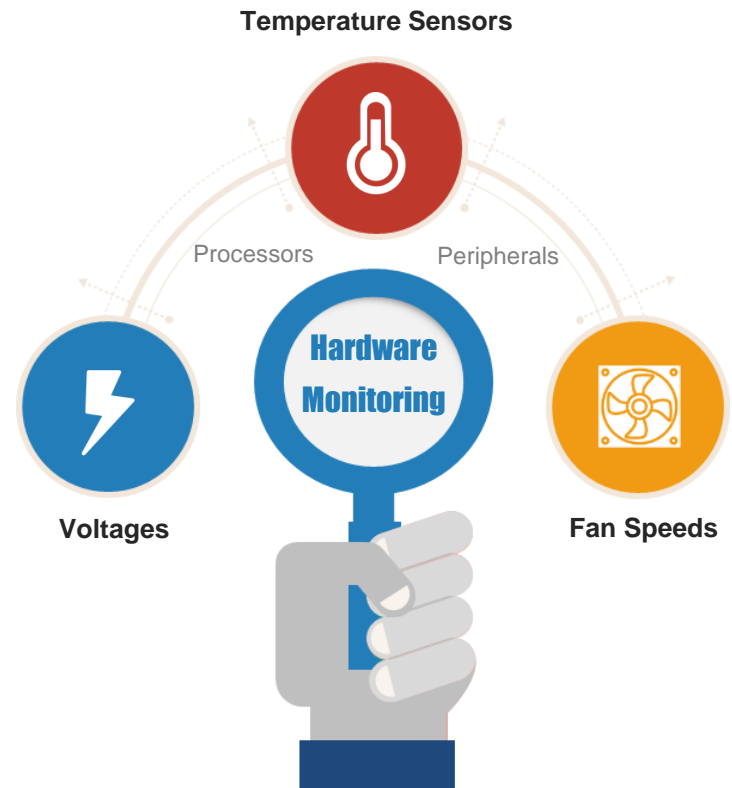


CEC Allows for Display On/Off Remote Control via HDMI.

iSMART Energy-Saving Technology



Observer Hardware Monitoring



Success Story – Video Wall Signage

Time	Flight	Gate	Destination	Time	Flight	Gate	Destination	Time	Flight	Gate	Destination
10:40	DY1176	F8	Milano/Malpensa	11:05	SK12	Bodo	New time 11:40	14:35	W617	Finnfjord	Gate area A, B or C
10:45	SK6206	A6	Bodo	11:05	SK12	Bodo	Gate closed	14:40	DY756	Trondheim	Gate area A, B or C
11:00	SK219	C7	Bergen	11:05	SK12	Bodo	Go to gate	14:45	R019	Norway	Gate area D or E
11:10	SK4123	A10	Sandnessjøen	11:15	A956	Hobøl	Go to gate	14:45	SK208	Bergen	Gate area A, B or C
11:10	SK807	F30	New York/Newark	11:20	SK805	London/Heathrow	Go to gate	14:45	DY190	Haugesund	Gate area A, B or C
11:10	SK813	B4	Amsterdam	11:30	DY812	Bergen	Gate closing	14:45	DY194	Brekheim	Gate area A, B or C
11:15	TW252	F23	Istanbul	11:30	DY794	Trondheim	Gate closing	14:45	SK214	Edinburgh	Gate area A, B or C
11:30	SK303	D4	Aurund	11:30	SK203	Kristiansund	Go to gate	15:00	DY816	Stokkølen	Gate area D or E
11:35	AA363	F18	London/Heathrow	11:30	DY354	Bodo	Go to gate	15:00	SK112	Haugesund	Gate area A, B or C
11:35	WF175	A27	Stockholm	11:30	DY346	Bodo	Go to gate	15:05	SK099	London/Heathrow	Gate area A, B or C
11:40	DY812	D2	Stockholm	11:30	SK148	Kabonhavn	Go to gate	15:10	SK1171	Kabonhavn	Gate area D or E
11:50	KL1144	D6	Amsterdam	11:35	DY1940	Catania	Go to gate	15:10	SK4131	Stavanger	Gate area A, B or C
12:00	DY1052	D50	Gdansk	11:40	DY119	Trondheim	Go to gate	15:10	SK7357	Karsthus	Gate area D or E
12:00	WF147	A39	Stockholm	11:40	SK4123	Kabonhavn	Go to gate	15:10	DY133	Stokkølen	Gate area A, B or C
12:05	EW1395	D1	Hamburg	11:50	DY949	Bodo	Go to gate	15:20	SK406	Stavanger	Gate area A, B or C
12:10	WF135	A37	Rome	11:55	CH346	Wien	Go to gate	15:35	DY136	Bodo	Gate area A, B or C
12:15	D85121	E9	Alicante	14:00	SK429	Haugesund	Go to gate	15:40	SK416	Alicante	Gate area A, B or C
12:15	SK4148	A2	Alta	14:00	WF119	Via Brønnøysund	Go to gate	15:40	DY1794	Alicante	Gate area D or E
12:30	DY1040	D3	Kievov	14:00	E2779	Helsinki	Go to gate	15:40	W622	Switzerland	Gate area A, B or C
12:40	AF1775	F4	Paris/CDG	14:05	SK418	Trondheim	Go to gate	15:45	DY1384	Alicante	Gate area F - Passport
12:45	SK1909	DA	Frankfurt	14:05	DY926	Bilfjord	Go to gate	15:50	SK4079	Haugesund	Gate area A, B or C
12:45	TP711	04	Lisbon	14:10	DLX 881	Amsterdam	Go to gate	15:55	SK4104	Stokkølen	Gate area D or E
12:50	DY512	04	Lisbon	14:10	DY1890	Larnaca	Go to gate	16:00	SK6813	Kabonhavn	Gate area A, B or C
12:50	SK808	04	Lisbon	14:15	TQ919	Brønøysund	Go to gate	16:00	D83236	via Skognal	Gate area D or E
12:55	7R204	31	Paris/Orly	14:30	Q7110	Riga	Go to gate	16:00	WF149	Frankfurt	Gate area A, B or C
12:55	FR1397	04	Paris/Orly	14:30	Q7110	Dublin	Go to gate	16:05	UH613	Akureið	Gate area D or E
12:55	SK314	04	Trondheim	14:35	SK215	Kristiansund	Go to gate	16:10	DY412	Prinos/Karlsruhe	Gate area A, B or C
				14:35	WF119	Fardo	Go to gate				Gate area D or E

Airport Freight Schedule

SI-60E Digital Signage Player



Intel Core Platform



Stock Exchange Hanging Stereoscopic Signage

SI-58 Digital Signage Player



Intel Core Platform



Airport AD Video Wall

SI-60E Digital Signage Player



Intel Core Platform



Drive-In Ordering System





Transportation



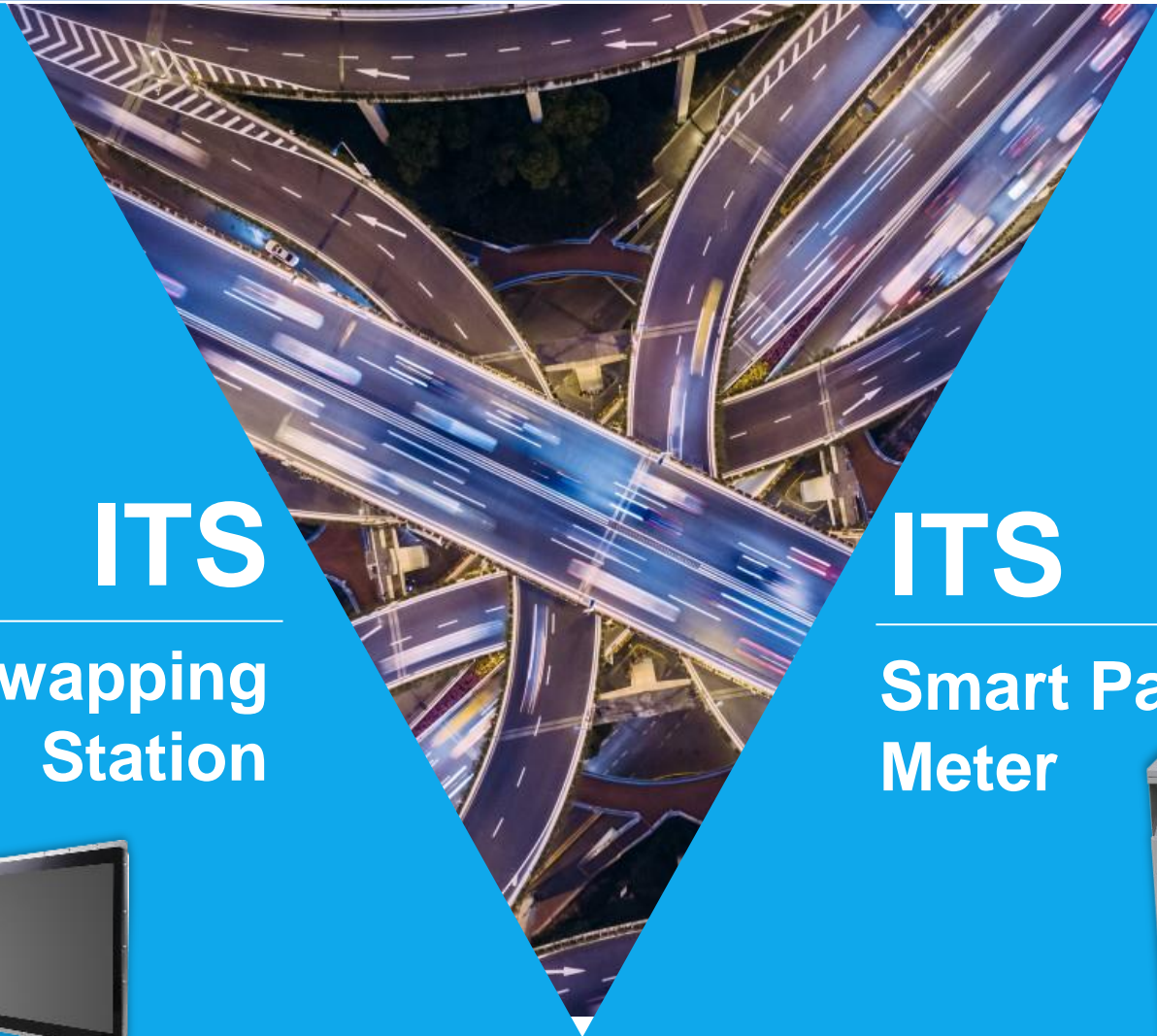
Railway

Metro Transportation System

MPT-3000R Railway System



Intel Core Platform



ITS

Battery Swapping Station



ITS

Smart Parking Meter





Medical



Medical Bedside Terminal

BST-1850 Multi-touch Bedside Terminal



AMD Platform

IT

IIoT

OT

NOVAKON

HMI Turnkey Solutions



ERP

PLM

MES

SCADA



iFACE DESIGNER

Professional HMI UI Editor





IoT

Energy Management Platform

OFP-151-PC-NVK Panel PC

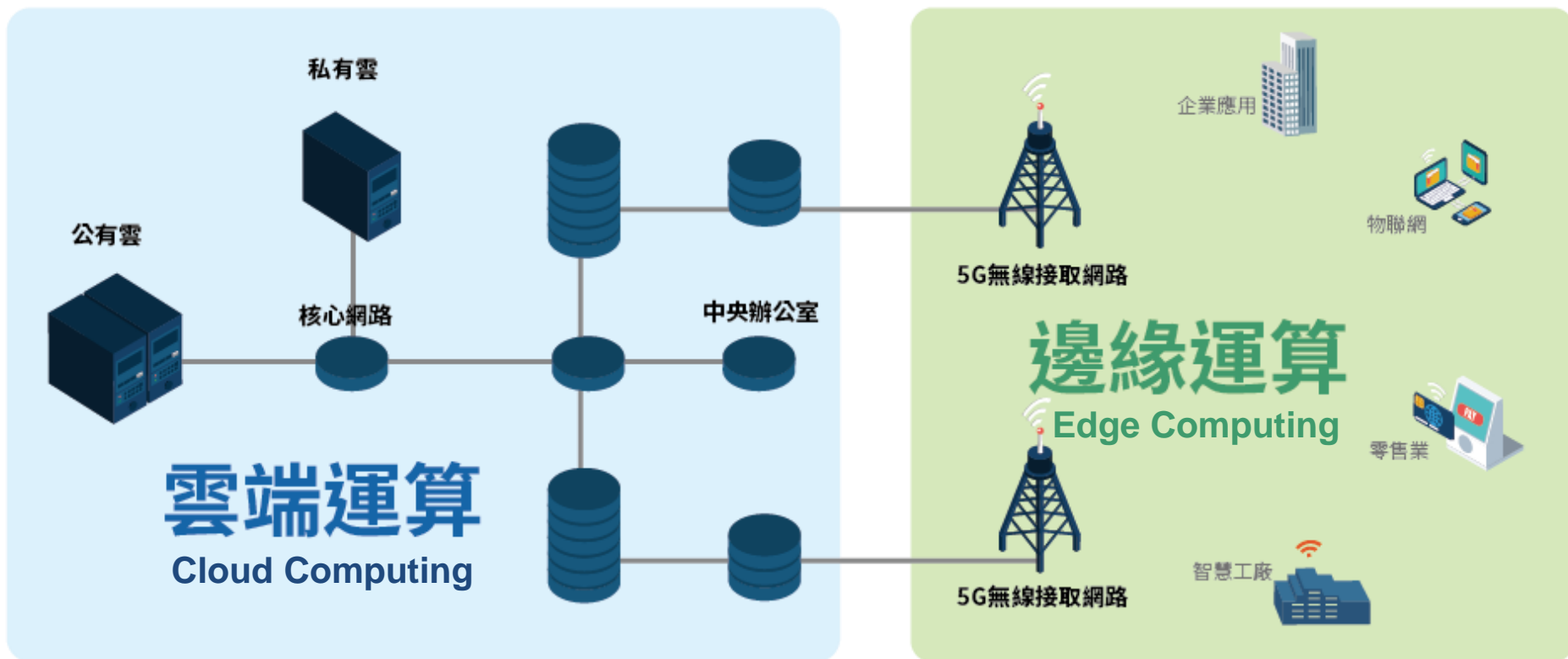


Intel Pentium Platform



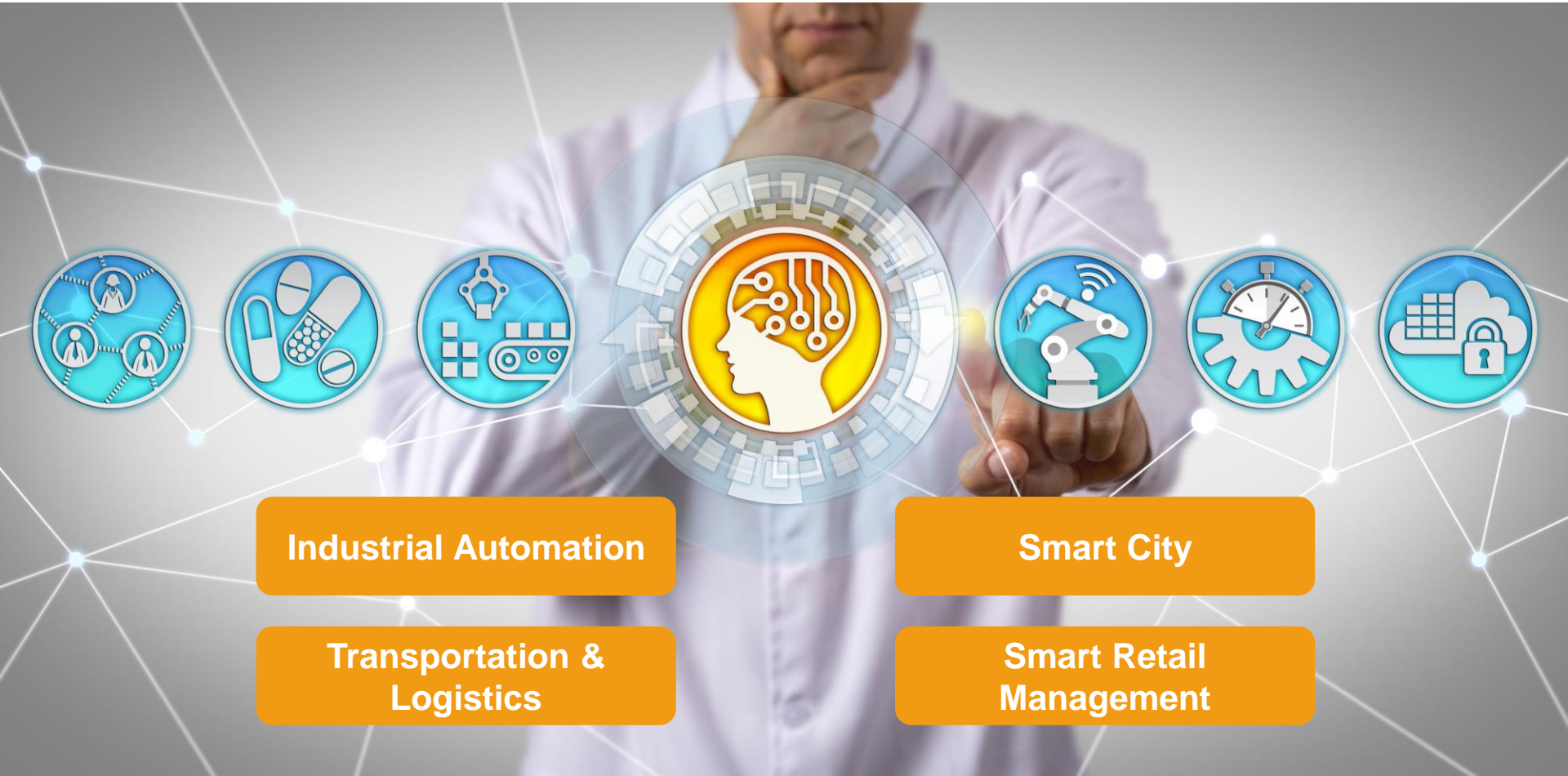
— Future Opportunities

Network Communications



Future Opportunities

AIoTT



Industrial Automation

Smart City

**Transportation &
Logistics**

**Smart Retail
Management**





Thank
You