

CUB ELECPART INC.(2231)

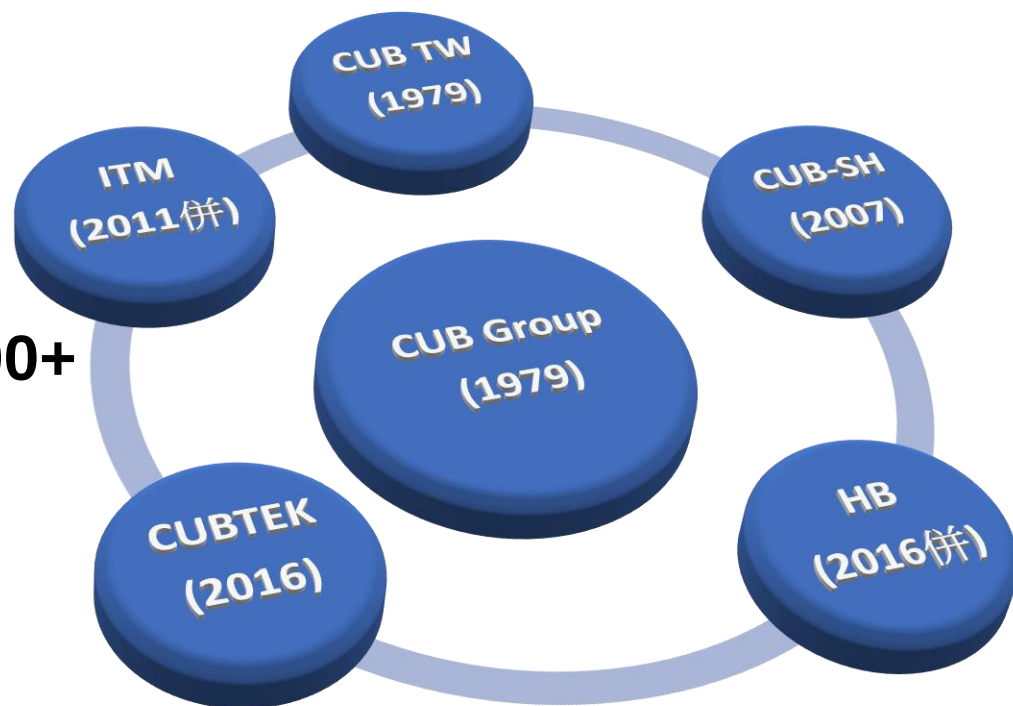
為升電裝工業



ADAS SOLUTION

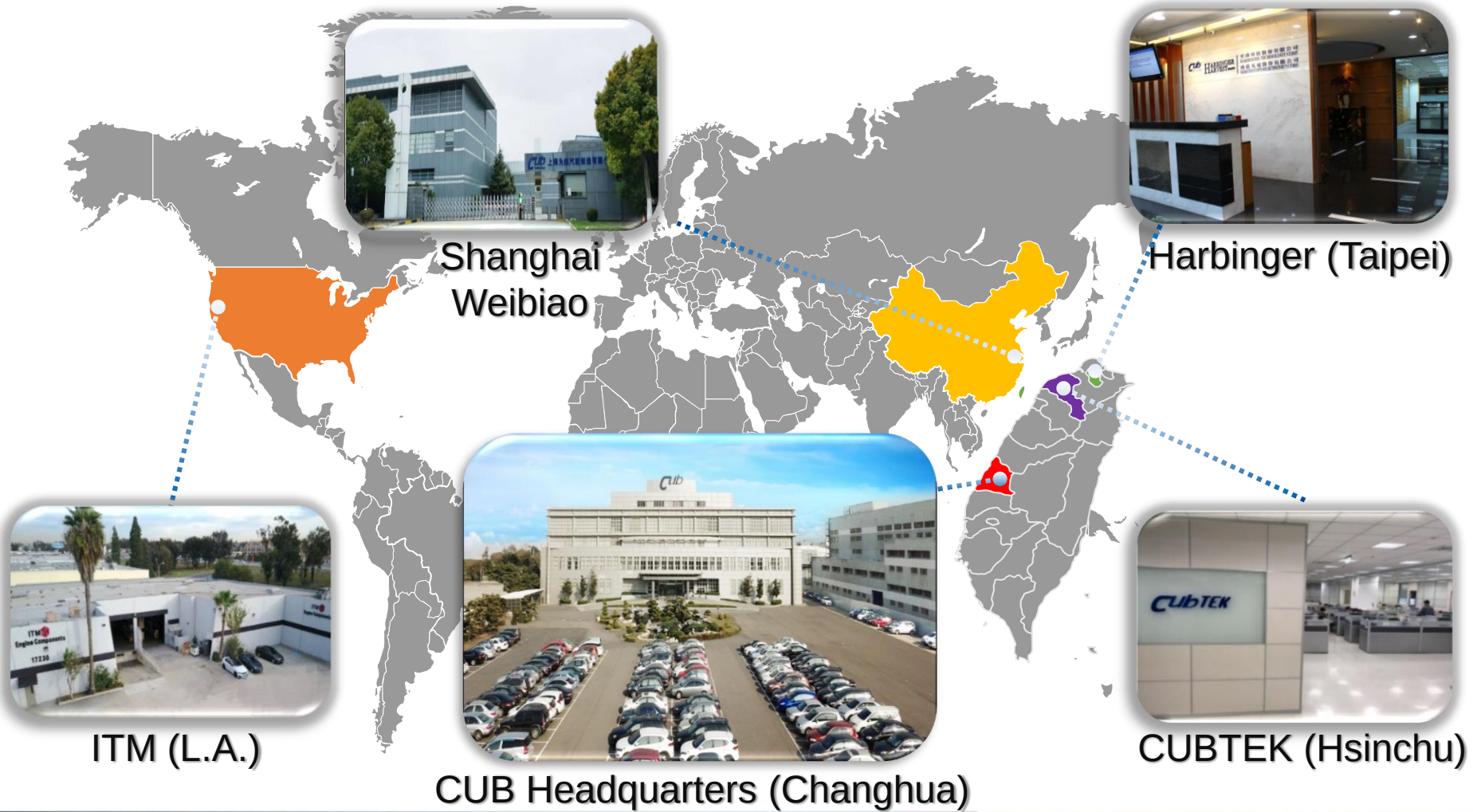
2019.11

- Established: 1979
- IPO: 2010
- Stock Symbol: 2231
- Capital : NT\$ 1.228B
- CEO: Mr. S.C. Yu
- Number of Employees: 800+



CUB Group

CUB
Genuine Parts



www.cubautoparts.com



Product Roadmap



Transportation Communication System

道路通訊系統

Fleet Security Management System

車隊安全管理系統

Internet of Vehicle System

車聯網系統



★ Switch



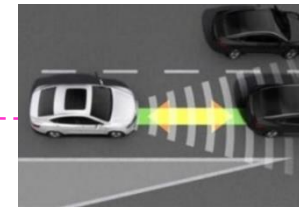
Sensor



★ TPMS



24GHz,77GHz Radar



Driverless

Total ADAS Solution

★ The Best Universal
TPMS Solution
in World Wide

★ Leading ahead
in Cross-Strait
Market

Top 3 in World Wide
Competition

1979

2007

2016

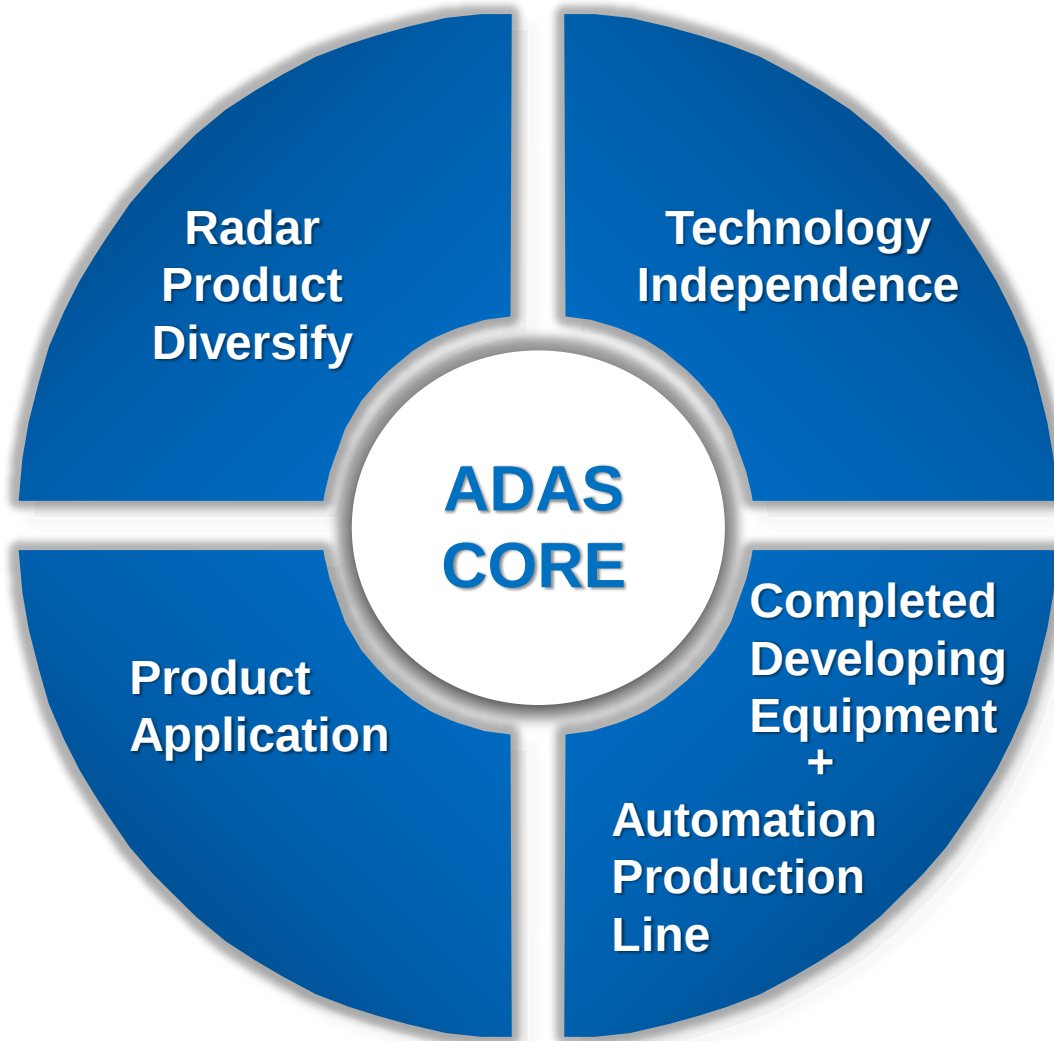
2019



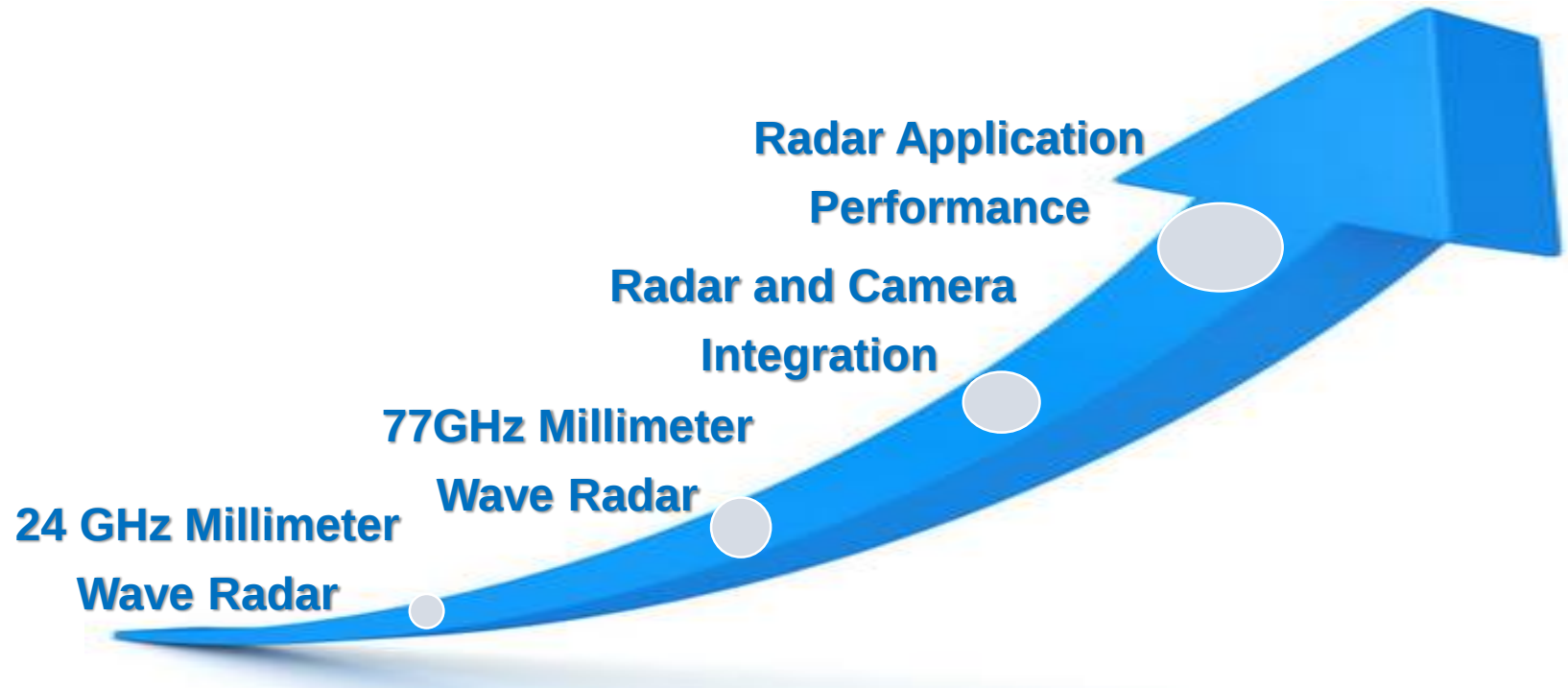
Financial Statement(2014~2019)

單位：新台幣仟元	2014		2015		2016		2017		2018		2019(1~9月)	
	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
Net sales 銷貨收入	2,155,184	100	2,822,080	100	3,416,549	100	3,520,466	100	4,023,647	100	3,040,717	100
COGS 營業成本	1,068,308	50	1,259,917	45	1,561,638	46	1,645,848	47	2,076,464	51	1,386,370	46
Gross Profit 營業毛利	1,086,876	50	1,562,163	55	1,854,911	54	1,874,618	53	1,947,183	49	1,654,347	54
OP Expense 營業費用	265,874	13	313,049	11	499,848	15	572,666	16	705,516	18	623,472	20
OP Profit 營業利益	821,002	37	1,249,114	44	1,355,063	39	1,301,952	37	1,241,667	31	1,030,875	34
Profit before tax 稅前盈餘	880,519	39	1,303,897	46	1,341,336	39	1,153,171	33	1,281,383	32	1,052,846	35
Consolidated income 本期淨利-業主	745,253	33	1,120,274	39	1,115,580	32	1,011,821	29	1,087,876	26	893,096	29
EPS (元) 基本每股盈餘	10.43	-	13.45	-	12.14	-	10.00	-	9.48	-	7.32	-
Capital 資本額	723(M)		833(M)		919(M)		1,012(M)		1,149(M)		1,228(M)	





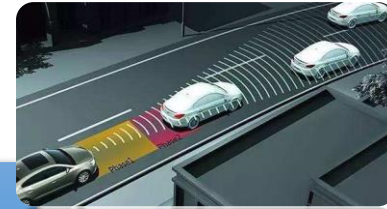
Radar Product Roadmap



ADAS Applications



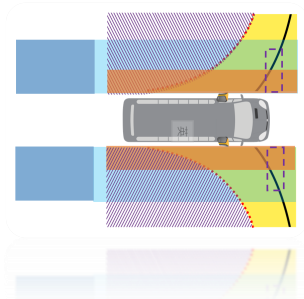
**CORNER
RADAR**



**AEB
FCW
RCW**



**FUSION
(FCW/LDW)**

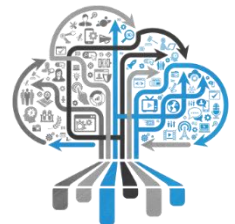


**TURN
ASSIST**

**BSD 、 LCA
RCTA 、 DOW**

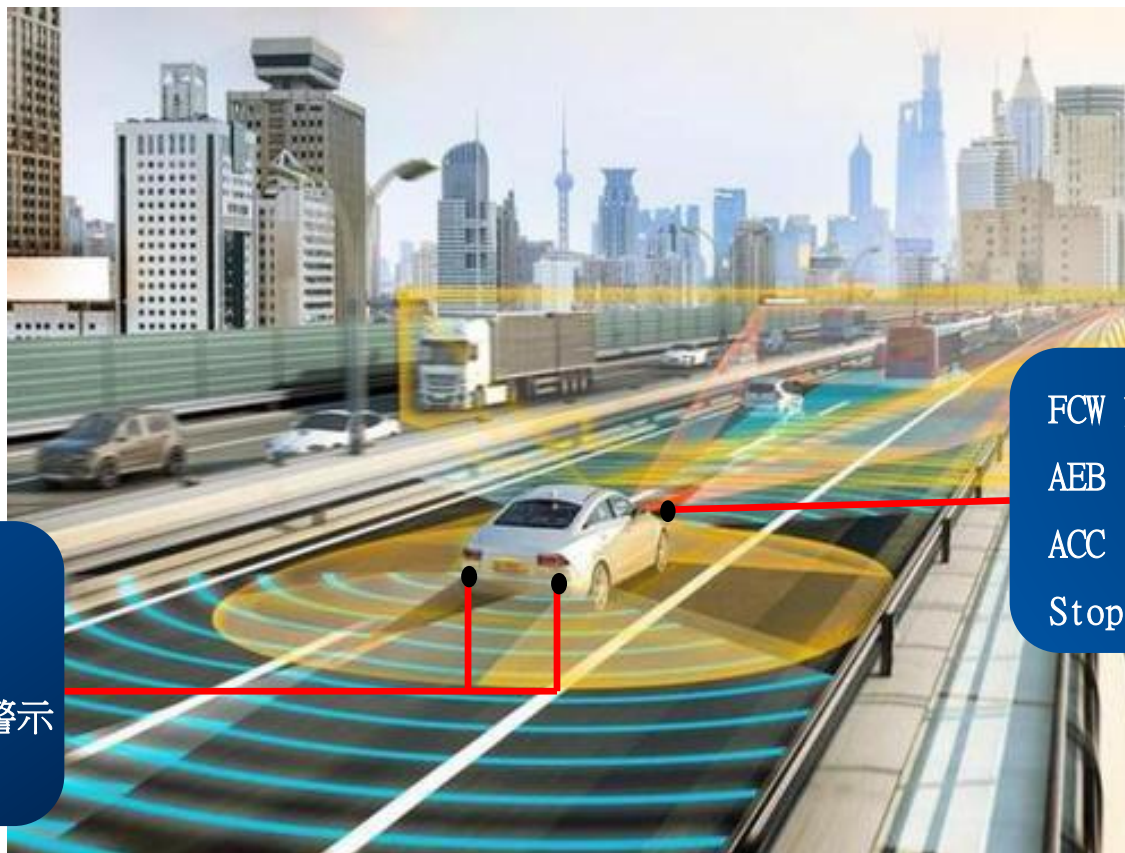
**CUB
RADAR
MODULE**

**NEW
INNOVATION**



**24GHz 77GHz 79GHz
Others**

◆ Application for Automobiles - OEM



BSD 盲區偵測

LCA 車道變換輔助

RCTA 倒車橫向來車警示

DOW 開門警示

FCW 前方碰撞警示

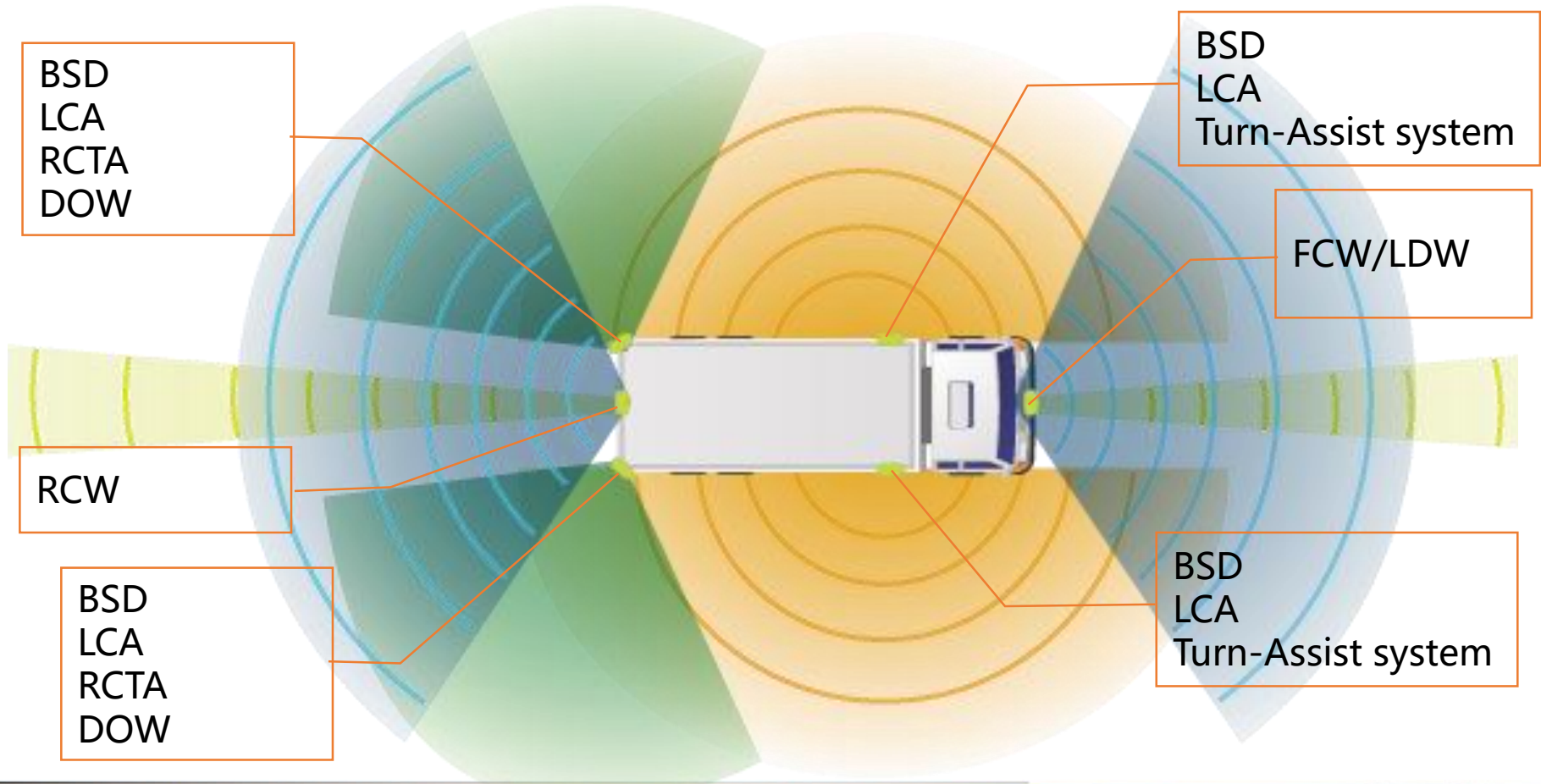
AEB 自動緊急煞車

ACC 自我調整巡航控制

Stop & Go 自動停走

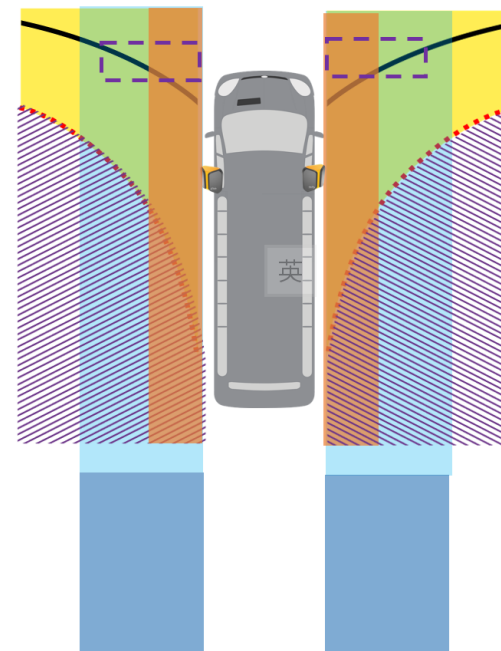
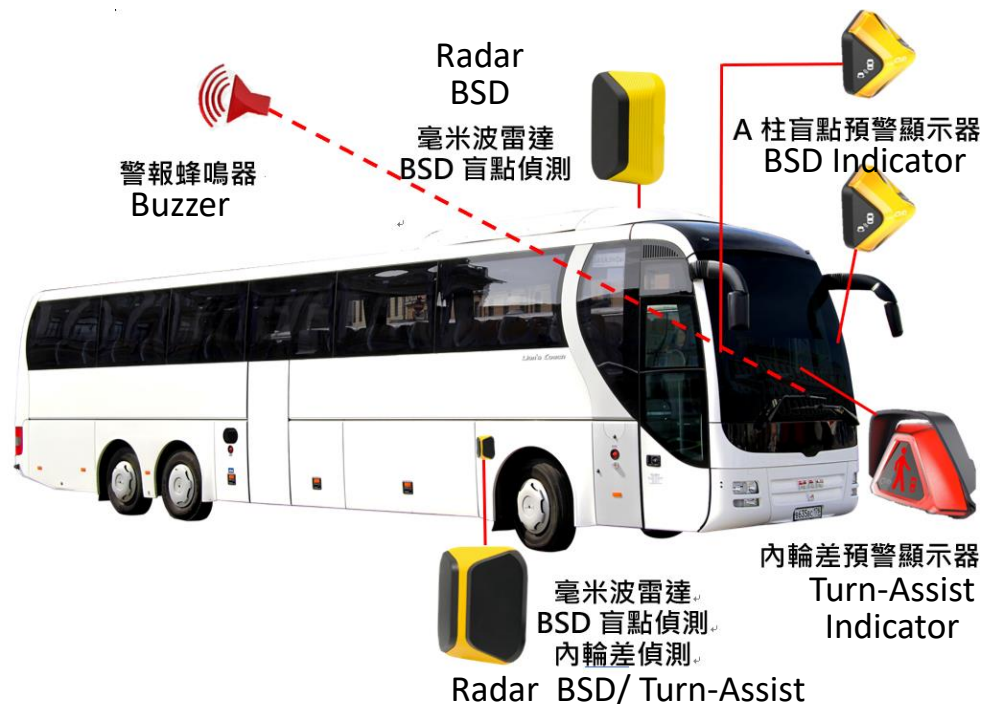


◆ Commercial Vehicle ADAS system



Radar Application Field

● 77GHz Millimeter Wave Radar : Turn-Assist and BSD system (New Innovation)



- 內輪差: Turn-Assist
- BSD:

- **主動預警 Alarm System**
- **全天候運作 All weather Operation**
- **完整涵蓋大型車內輪差與視野盲區 Cover all of the blind spot area of the vehicle**



Radar Application Field



BUS



Truck



School Bus



RV

**Application for Automobiles
And Motorcycles
AM and Others**



Police car



Passenger car



Motorcycle



◆ For Agriculture

- Drones (For Spraying Pesticide)



◆ For Sea Transportation



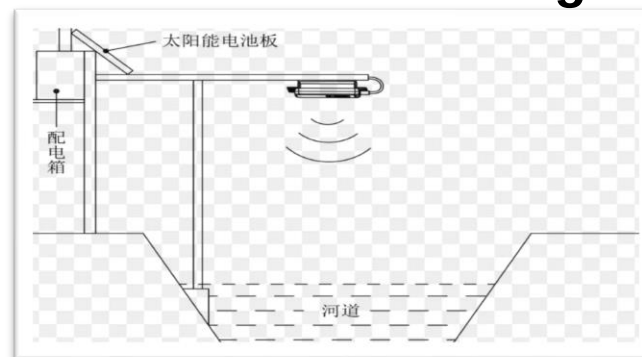
◆ For Public Transportation

- Railroad Crossing



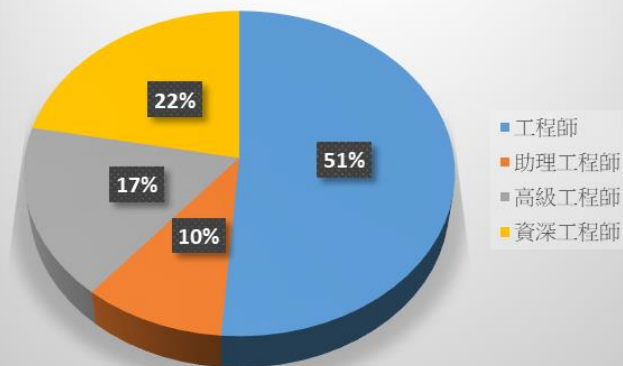
◆ For Other Fields

- River Monitoring



● R&D

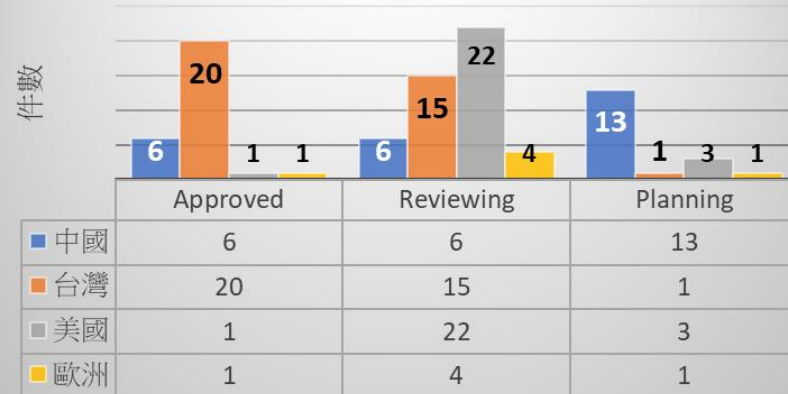
雷達研發工程人員資歷分佈



Item	Engineer	
	TW	SH
FAE	20	7
PM	11	6
S/W Engineer	52	8
H/W Engineer	18	0
ME	12	5
Total	113	26

● Radar Patent

雷達專利佈局數量



	Utility	Design	Utility Model	Total
Approved	11	4	13	28
Reviewing	40	7	0	47
Planning	11	6	1	18
Total	62	17	14	93

ADAS SOLUTION



R&D Team--- Industry-academic Integration Advantages
Technical Independence-Customized Advantages
Precision Manufacturing- Automation Productin Advantages

與您攜手守護行車安全
Guide your safety.

www.cubautoparts.com



Q & A