



CUB ELECPART INC.(2231)

2020/12/10

PART 01

CUB Corporation Profile

01

Company Profile



Founded : 1979

IPO : 2010

Capital : 43 M U.S.D.

CEO : Arbula Yu Chairman

Employees : 900+

Quality Management System :

TS16949 ISO14001

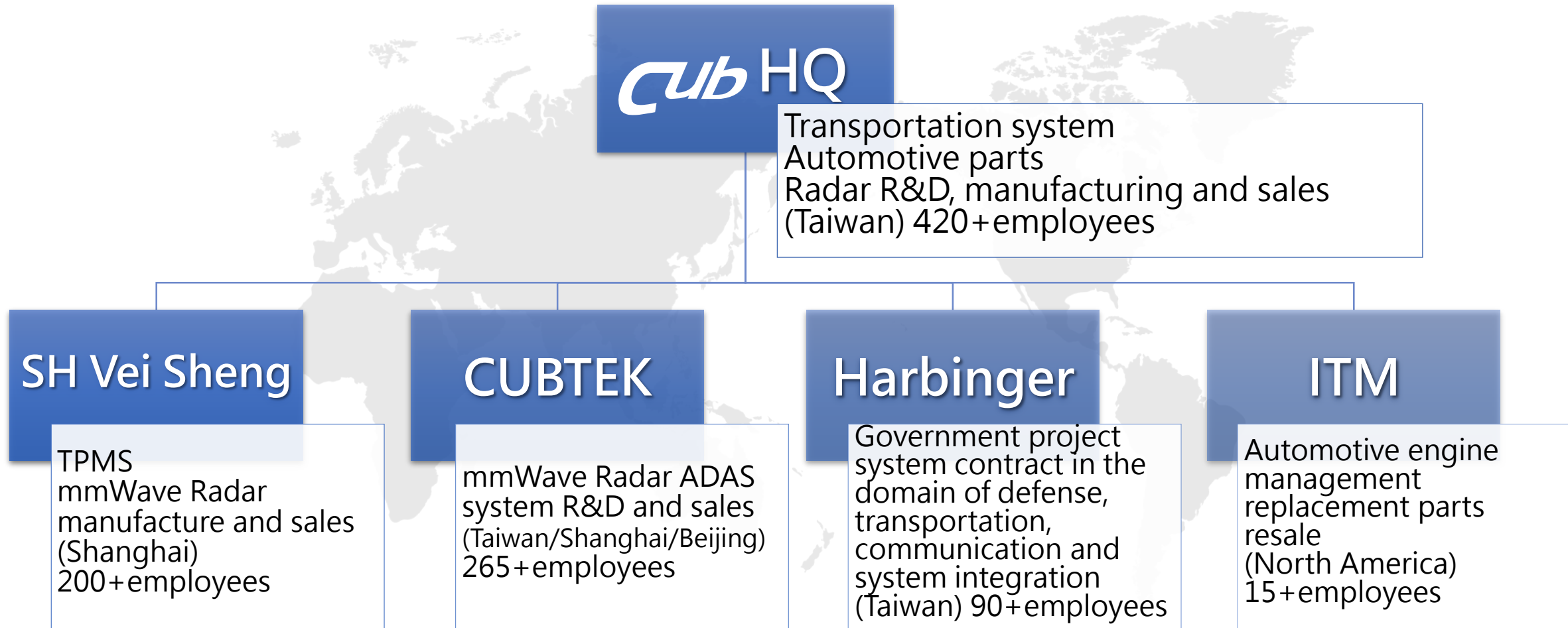


Company Profile



Company Profile

■ Affiliated companies



PART 02

Financial Information

02

Financial Statement(2015~2020 Q3)



UNIT : Thousand NTD	2015		2016		2017		2018		2019		2020(Q1~Q3)	
	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
Net sales	2,822,080	100	3,416,549	100	3,520,466	100	4,023,647	100	4,094,666	100	2,281,748	100
COGS	1,259,917	45	1,561,638	46	1,645,848	47	2,076,464	51	2,022,724	49	1,441,229	63
Gross Profit	1,562,163	55	1,854,911	54	1,874,618	53	1,947,183	49	2,071,942	51	840,519	37
OP Expense	313,049	11	499,848	15	572,666	16	705,516	18	894,253	22	628,418	28
OP Profit	1,249,114	44	1,355,063	39	1,301,952	37	1,241,667	31	1,177,689	29	212,101	9
Profit before tax	1,303,897	46	1,341,336	39	1,153,171	33	1,281,383	32	1,128,848	28	163,563	7
Consolidated income	1,120,274	39	1,115,580	32	1,011,821	29	1,087,876	27	977,780	24	153,457	6
EPS (NTD)	13.45	-	12.14	-	10.00	-	9.48	-	8.00	-	1.26	-
Capital	833(M)		919(M)		1,012(M)		1,149(M)		1,228(M)		1,219(M)	

PART 03

Technical Advantages

03

Product Roadmap

cub

ITS

Fleet management

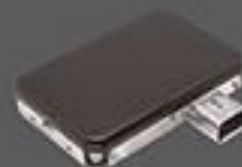
V2X



Switch / Sensor



TPMS



24GHz 77GHz ADAS



TW biggest AM part exporter to US

1979

World' s best universal TPMS

2007

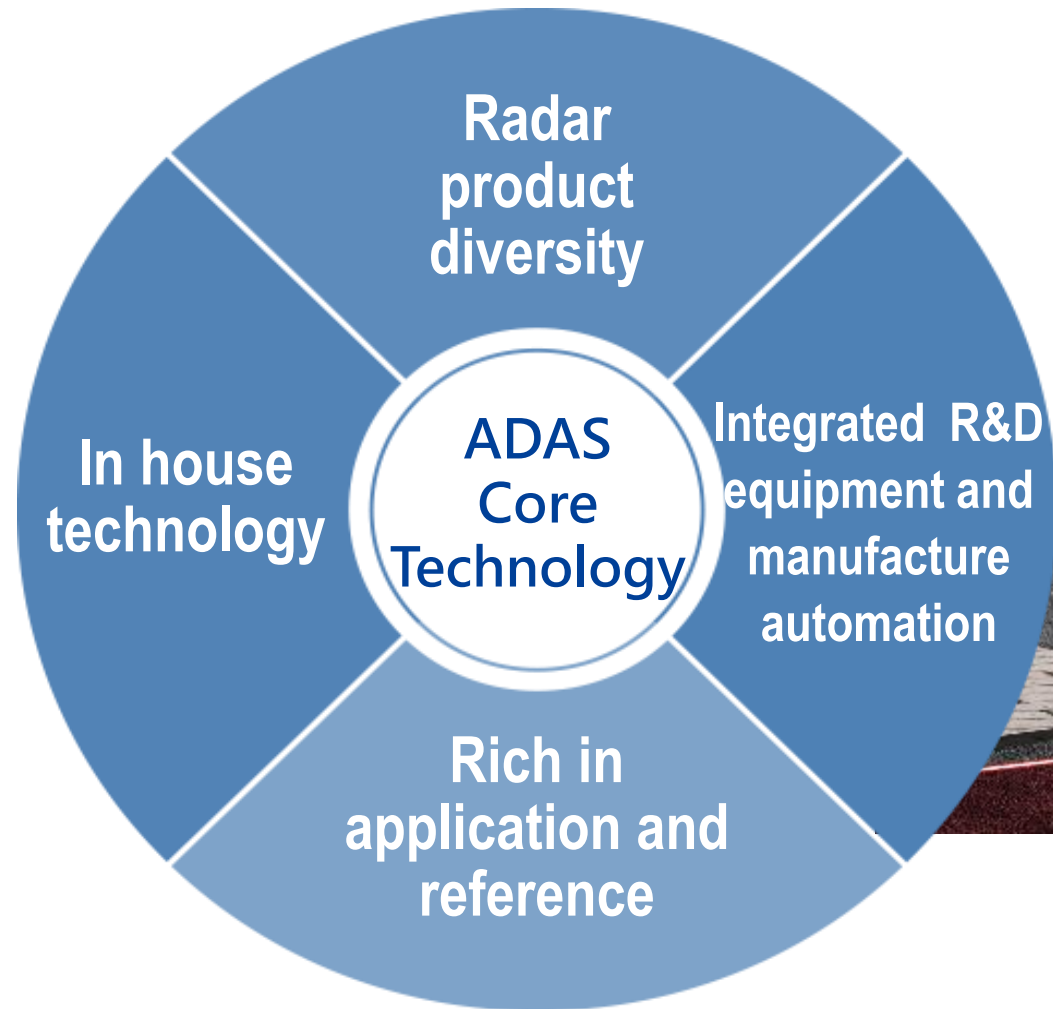
Cross-strait leader

2016

Global top-ranking
mmWave Radar

2020

ADAS Solution Advantage

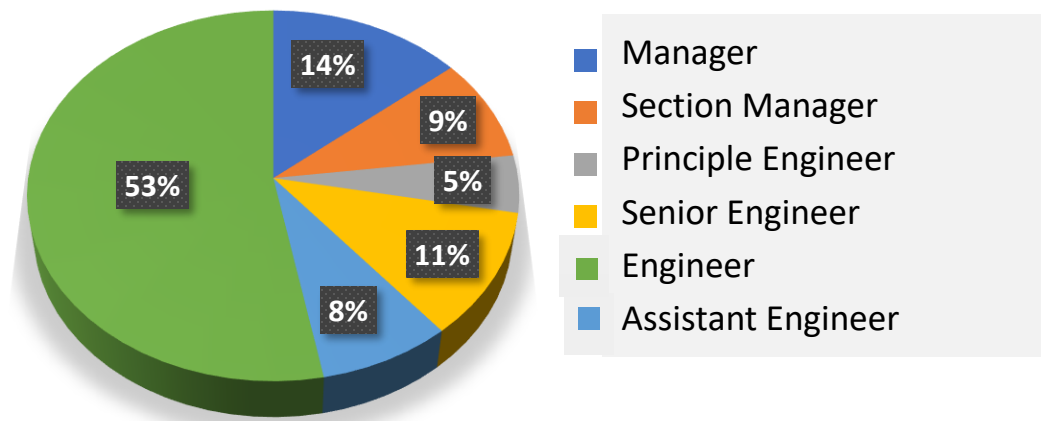


ADAS Solution Advantage

■ Professional R&D team

Item	Engineer	
	TW	SH
FAE	35	12
PM	9	6
S/W Engineer	54	7
H/W Engineer	21	0
ME	32	20
Total	151	45

Engineering functions distribution



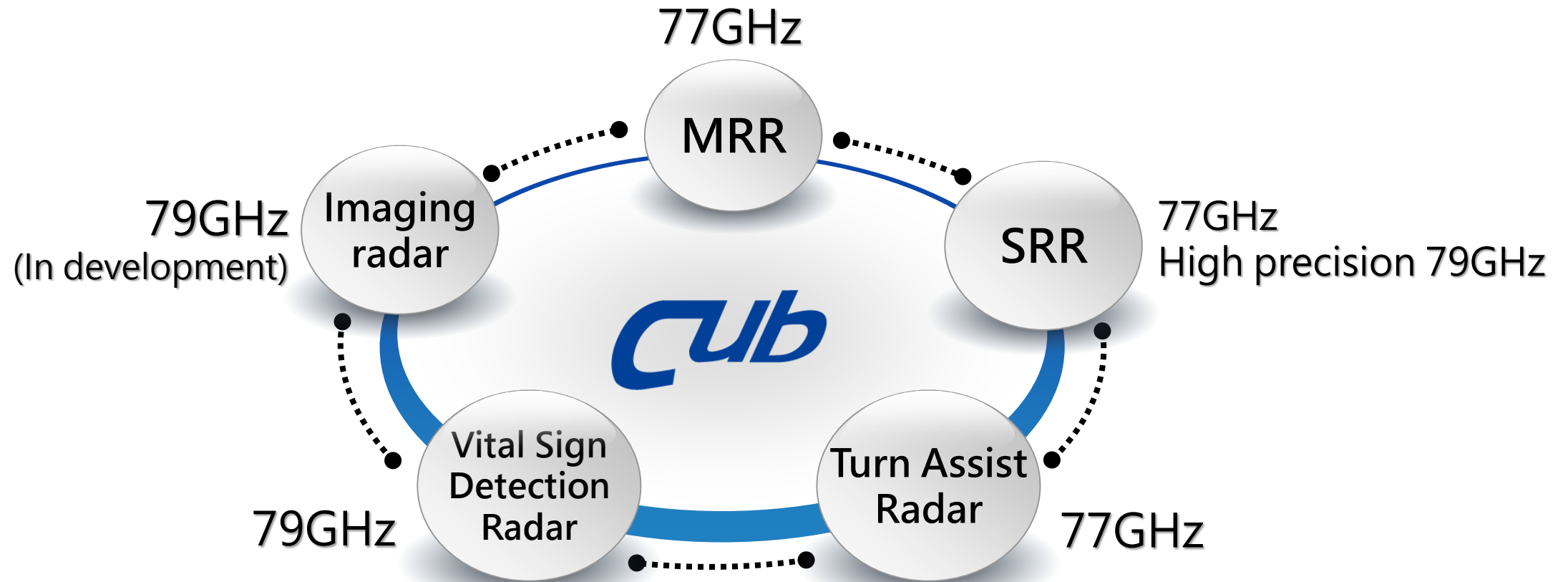
■ Radar patents

	Taiwan	China	USA	EU	Total(*)
Award	34	25	8	3	70
Examination	6	10	18	4	38
Total	41	35	26	7	108

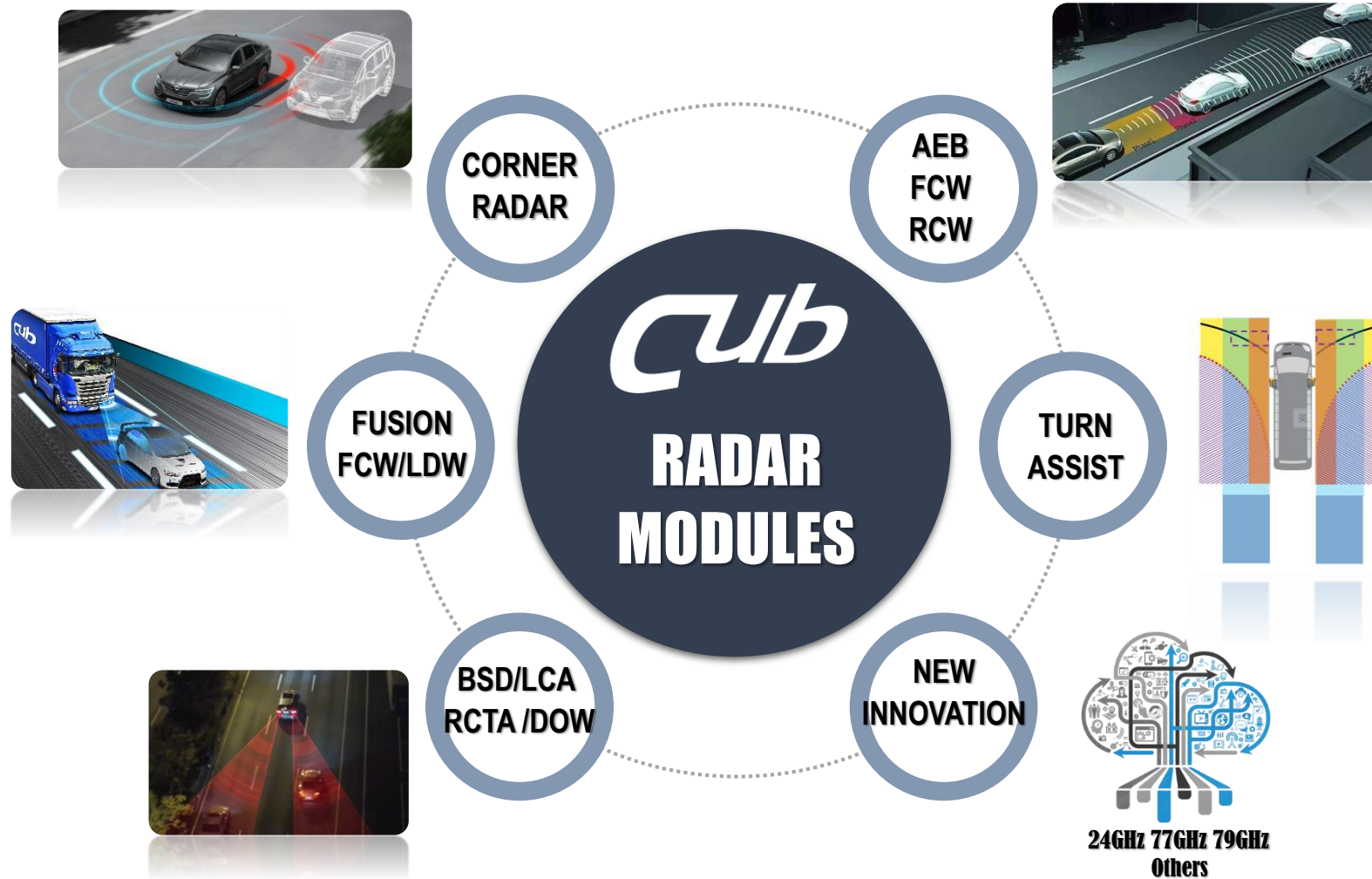
Note*: not including unofficial applications



77GHz / 79GHz Product Focus



ADAS Applications

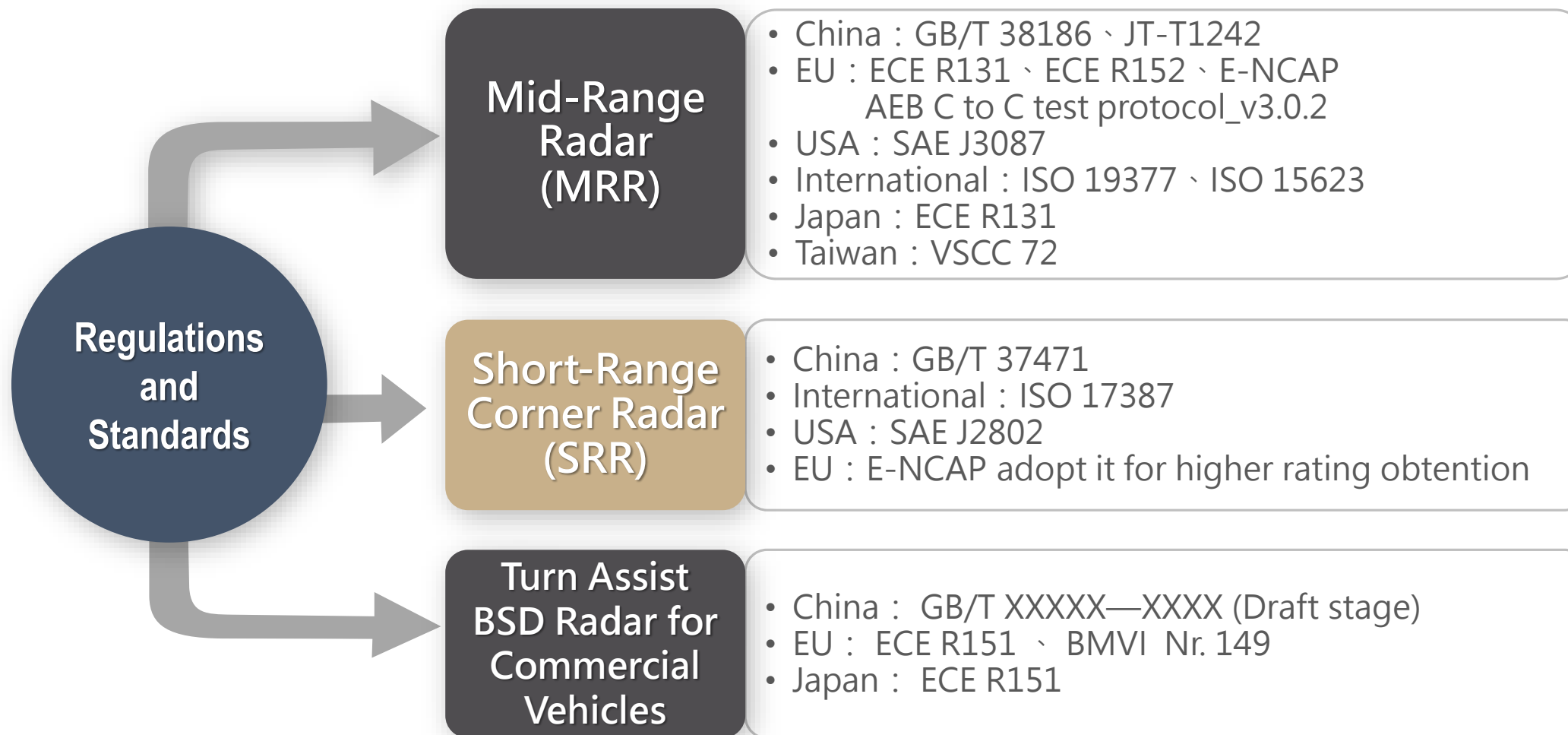


PART 04

Target market and ADAS Applications

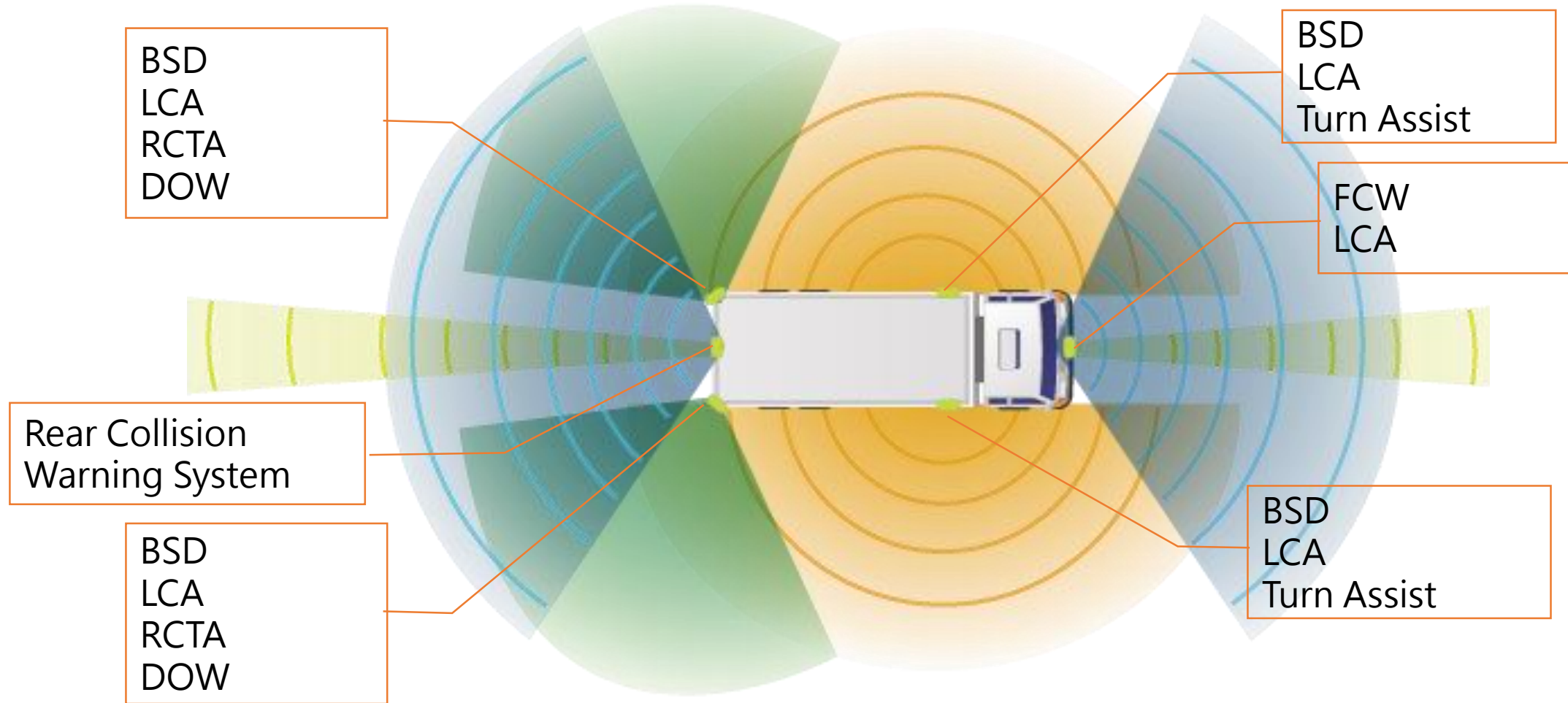
04

Regulations and Standards



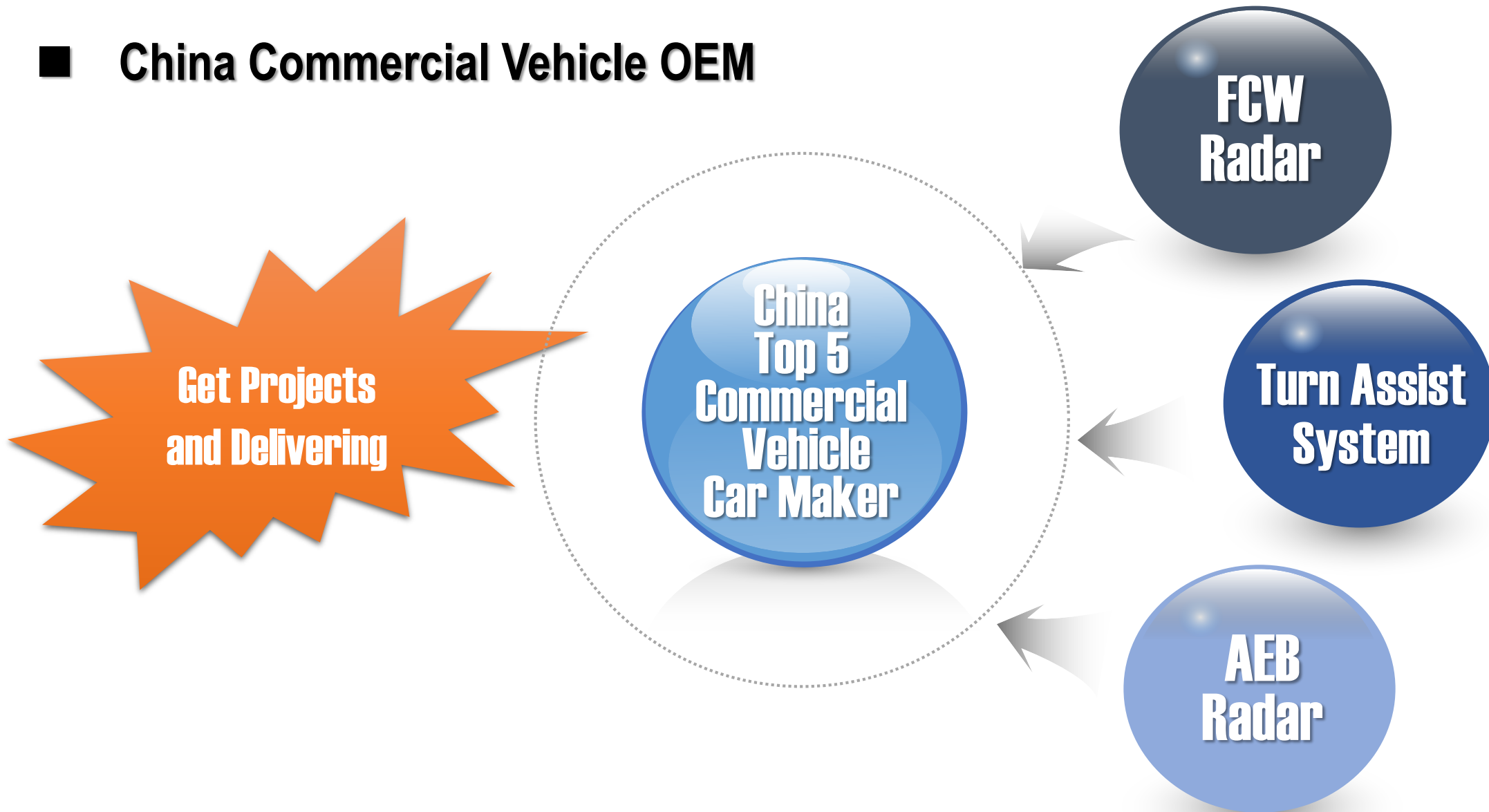
ADAS Application of Commercial Vehicle

■ ADAS for commercial vehicles



ADAS Application of Commercial Vehicle

■ China Commercial Vehicle OEM

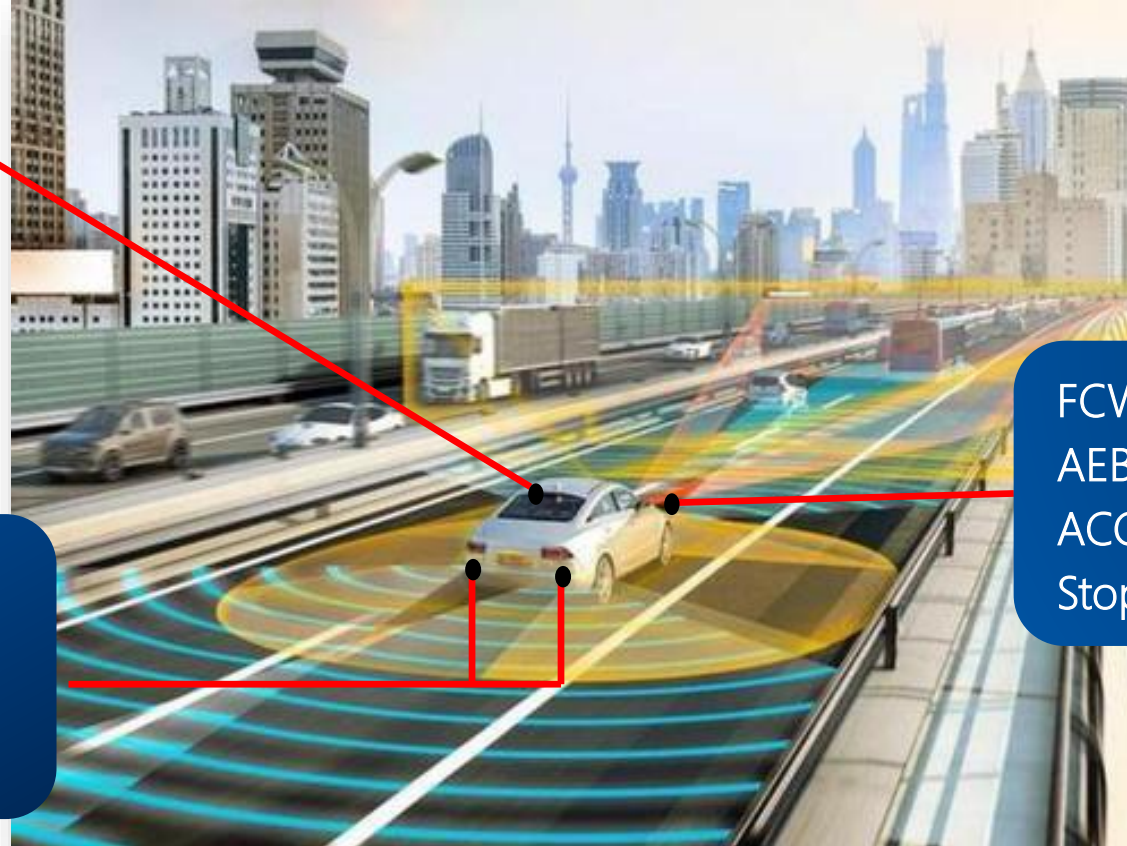


ADAS Application of Passenger Car

■ ADAS Applications – Passenger Car OEM

In-vehicle Vital Sign
Detection

BSD
LCA
RCTA
DOW



FCW
AEB
ACC
Stop & Go

ADAS Application of Passenger Car

■ In-vehicle Vital Sign Detection

■ Human vital signs detection

- ◆ Euro NCAP starts rating ability to detect in-car children presence
- ◆ USA is implementing **HOT CARS** act, which mandates an alarm system in case a child is left in the car.
- ◆ China, following EU regulations, major automakers have paid close attention to develop related technologies.

As laws and **regulations** evolve, the number of new cars with in-vehicle life presence detection system will gradually increase around 2022.

In particular, **radar technology**, which can sense light breathing and heartbeat, and detect sleeping babies and pets has become the leading technology in this field.



Vital signs
detection

Privacy
protection

V2X

No
environment
effect

ADAS Application of Aftermarket and Others

■ AM field and other applications



Coach & bus



Truck



School bus



CUB pedestrian detection system developed has won the first prize of North American Daimler Benz Truck R&D



RV

Automotive aftermarket and specific applications



Police car



Heavy machinery



Motorcycle



CUB motorcycle BSD system has won the first prize of the Best Innovative Technology at AIM Expo 2019

Public Construction Field



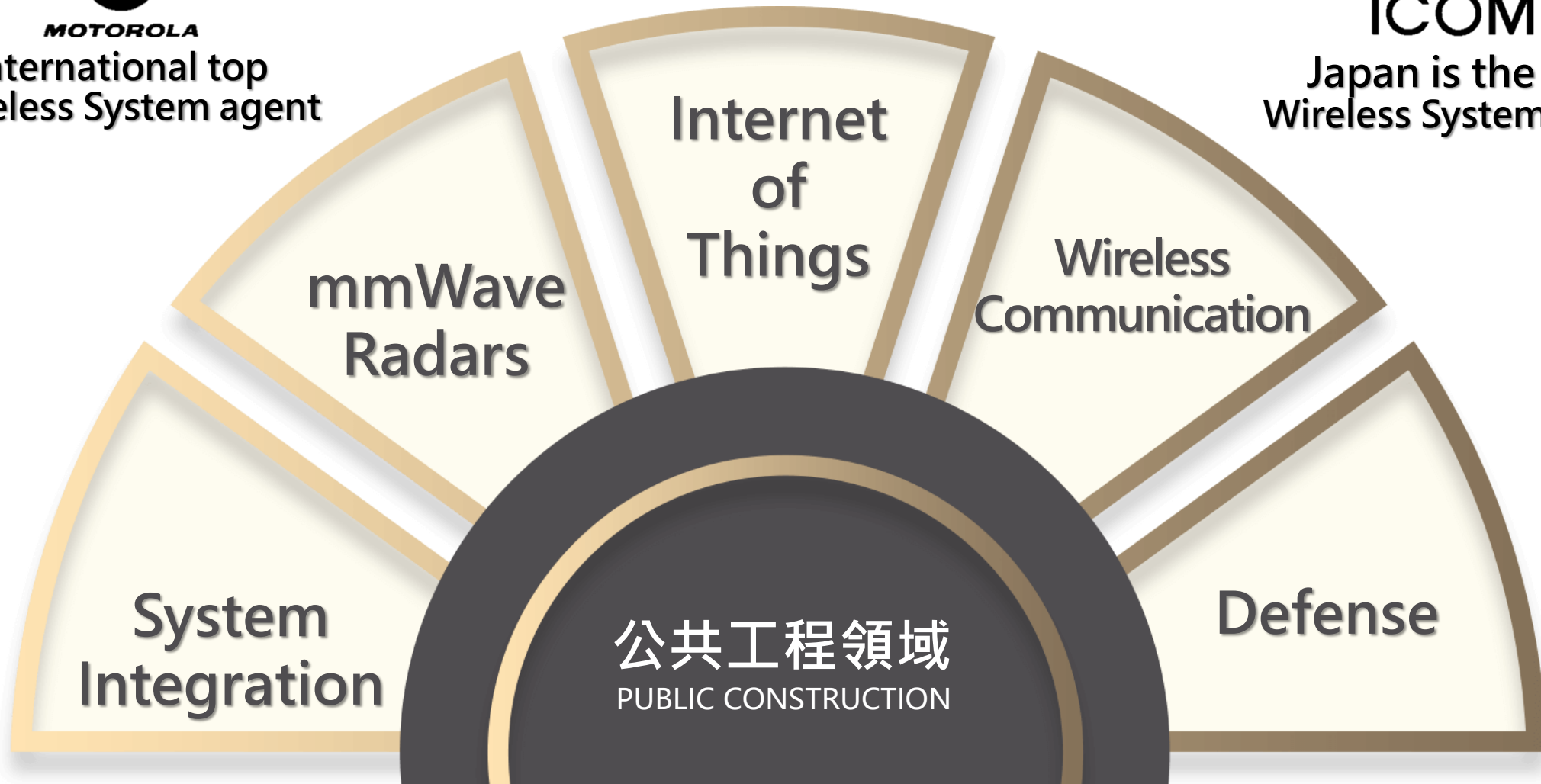
MOTOROLA

International top
Wireless System agent



ICOM

Japan is the 1st.
Wireless System agent



System
Integration

mmWave
Radars

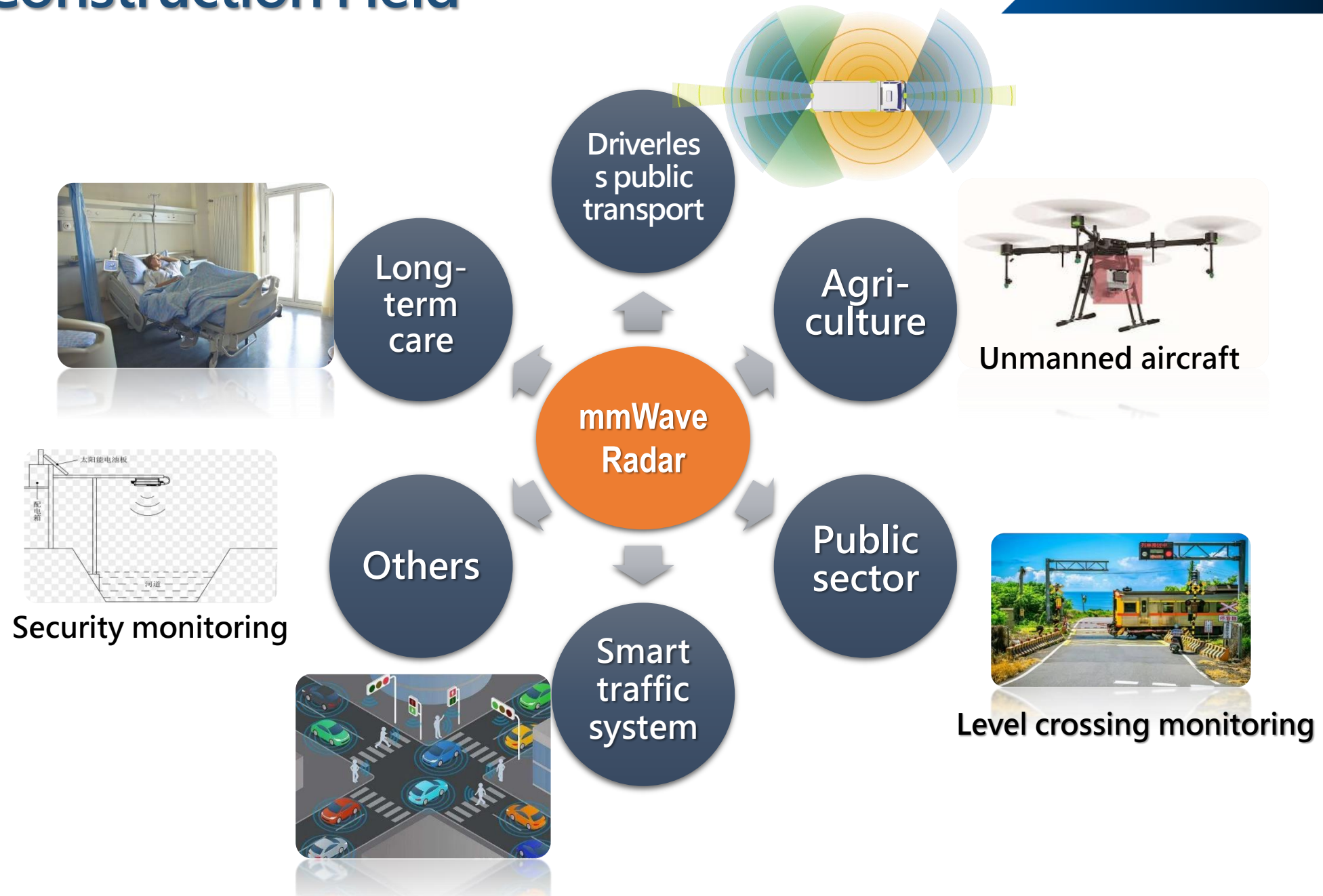
Internet
of
Things

Wireless
Communication

Defense

公共工程領域
PUBLIC CONSTRUCTION

Public Construction Field



Early Deployment for Regulatory Trends

In-house
Technology &
Industry Leader



Rapid Response &
Flexible Customer
Service

Mainstream Customers Recognition

cuib



Q & A