

Dongbu HiTek

The Best Foundry Partner For Your Success

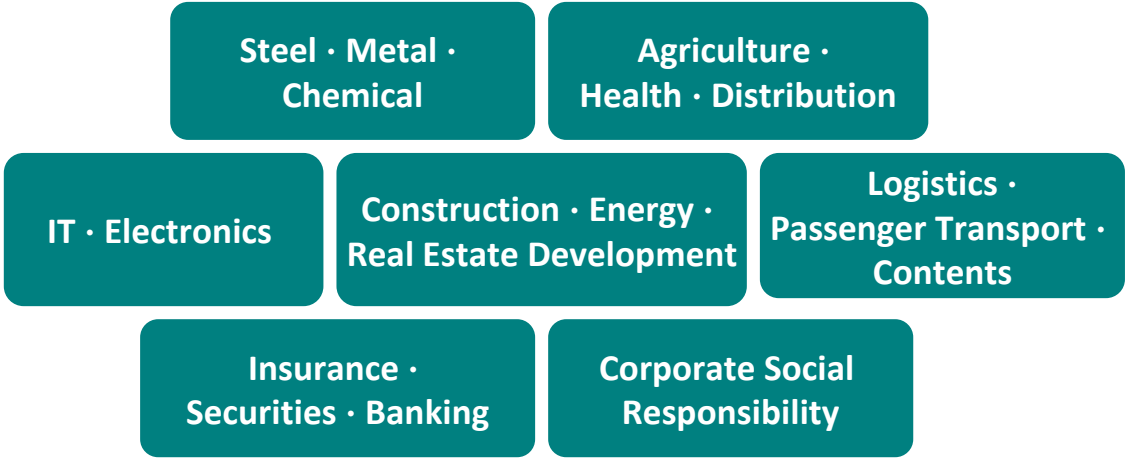
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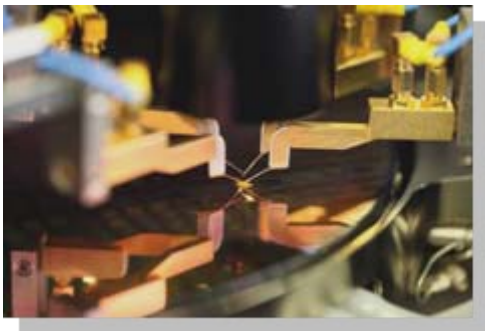
Dongbu Group Overview



- **Established: 1969**
- **Sales: US \$20 billion**
- **Asset: US \$37 billion (2010)**
- **No. of Employees: 35,000**
- **No. of Subsidiaries: 42**
- **Business Areas: 7 (See Below)**



Company Overview



Established	1997
Sales	US \$ 593 million (2010)
Asset	US \$ 1.3 billion (2010)
No. of Employees	2,510 (Jun. 2011)
Business Areas	System IC (Analog, Display, RF, etc)
Tech. Node	90nm ~ 0.35um
Capacity	94,000wfrs(200mm)/month

History

1997

- Established Dongbu Electronics
- Completed Fab1 Construction
- Entered into strategic alliance with Texas Instruments

2000

- Completed Fab2 Construction
- Entered into strategic alliance with Toshiba

2004

- Commenced CMOS foundry processing at the 0.13um node

2007

- Sharpened focus on specialized foundry processing; renamed Dongbu HiTek

2008

- Launched Industry's first 0.18-micron BCDMOS process

2010

- Became world's no.1 company in Specialized foundry

Status in World Market

2010 Specialty Foundry Ranking

2010 Rank	Company	2010
1	Dongbu HiTek	\$512M
2	TowerJazz	\$509M
3	Vanguard	\$505M

Source : Gartner, Mar. 2011

2010 Foundry Ranking

(Unit:\$M)

2010 Rank	Company	2010	2009
1	TSMC	13,332	8,997
2	UMC	3,824	2,730
3	Globalfoundries	3,520	1,101
4	SMIC	1,554	1,070
5	Dongbu HiTek	512	378
6	TowerJazz	509	298
7	Vanguard	505	381
8	IBM	500	383
9	MagnaChip	410	265
10	Samsung*	390	290
-	Chartered	0	1,540

Future leaders in Analog/Mixed-Signal Foundry

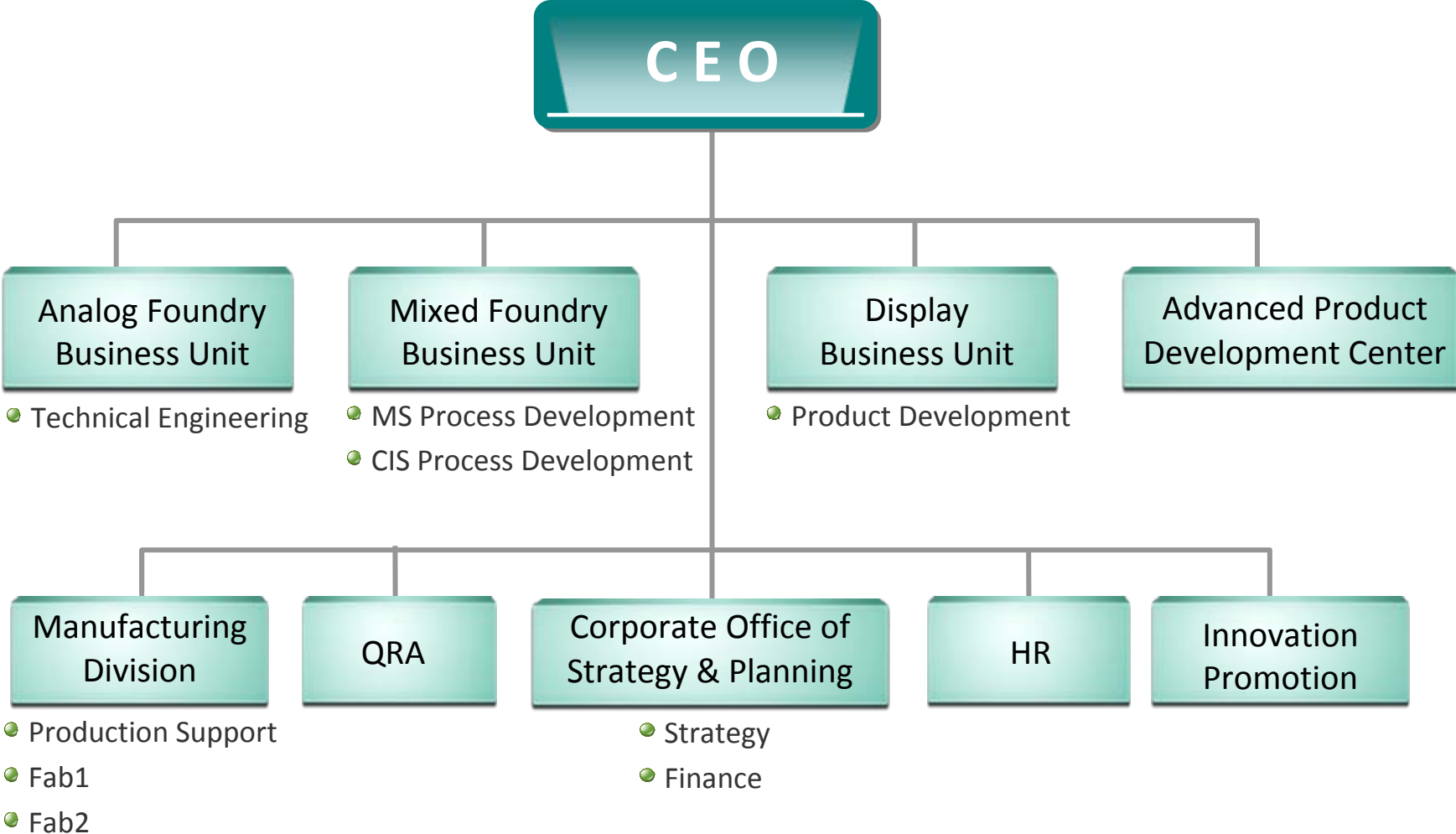
Who will succeed in analog/mixed-signal foundry market?		
Company	Odds for success	Comments
TSMC	1-1	Strong IP, resources
IBM: Chartered; Samsung; UMC	2-1	Strong IP, resources
Dongbu; X-Fab	5-1	Good IP, customer base
Vanguard; SSMC	10-1	Backed by TSMC
HHNEC; NEC	15-1	Strong backing
AMI/ON Semi	20-1	Lost in the shuffle?
Austriamicrosystems	25-1	Helped by IBM
SMIC	30-1	Will it need bail out?
MagnaChip; Tower/Jazz	100-1	Spilling red ink
CSMC	150-1	Will new focus work?
Mosel-Vitellic	200-1	Moving into solar

Source : EE Times, 2008

Source : Gartner, Mar. 2011

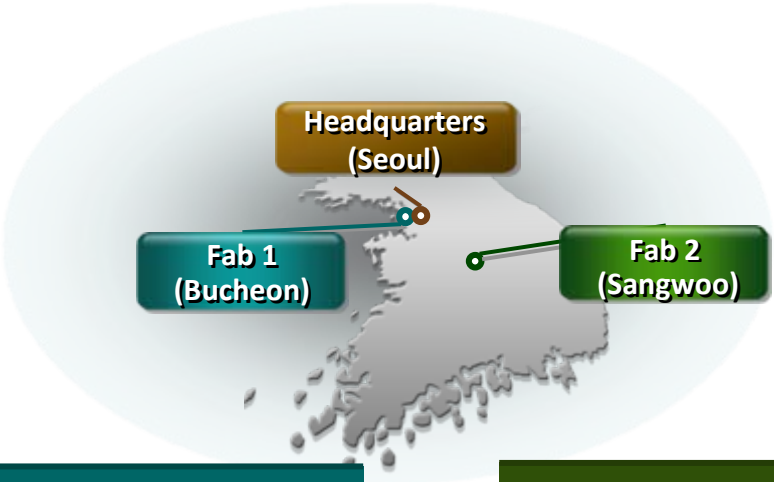
* Globalfoundries : Dec. 2009, Acquisition of Chartered

Organization Chart



Facilities

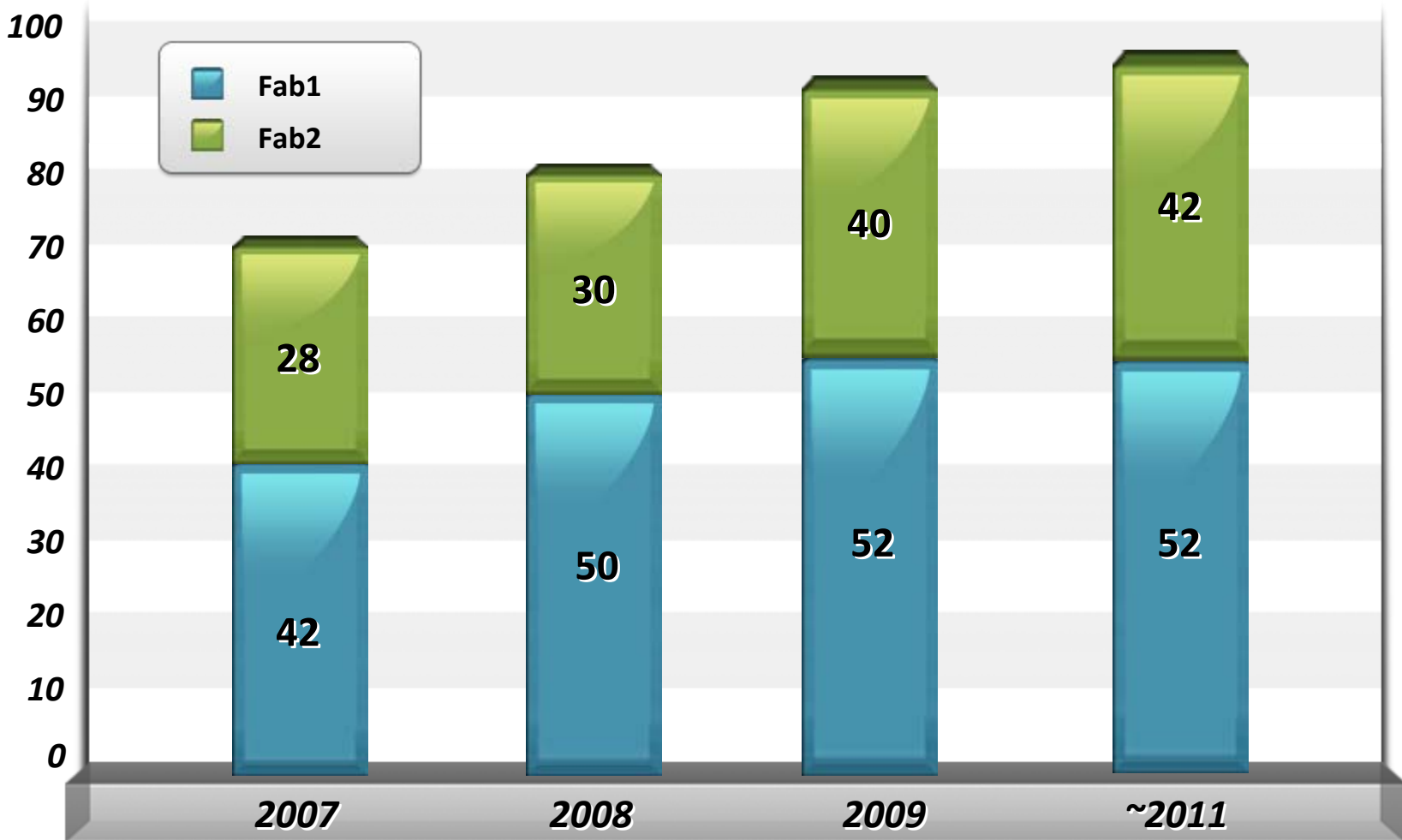
Headquarters	
Organization	Administration, Sales & Marketing
Location	Seoul, Korea



Fab 1	
Capacity	52,000 wafers/month
Tech Nodes	0.35, 0.25, 0.18, 0.15um
Main Technology	BCDMOS, Analog CMOS and HV CMOS, Logic
Wafer Size	200mm (8 inch)
Location	Bucheon, Gyunggi-do

Fab 2	
Capacity	42,000 wafers/month
Tech Nodes	0.25, 0.18, 0.13, 0.11, 0.09um
Main Technology	Mixed Signal, Flash, RF CMOS, CIS and HV CMOS, Logic
Wafer Size	200mm (8 inch)
Location	Eum Sung, Choong Chung Book-do

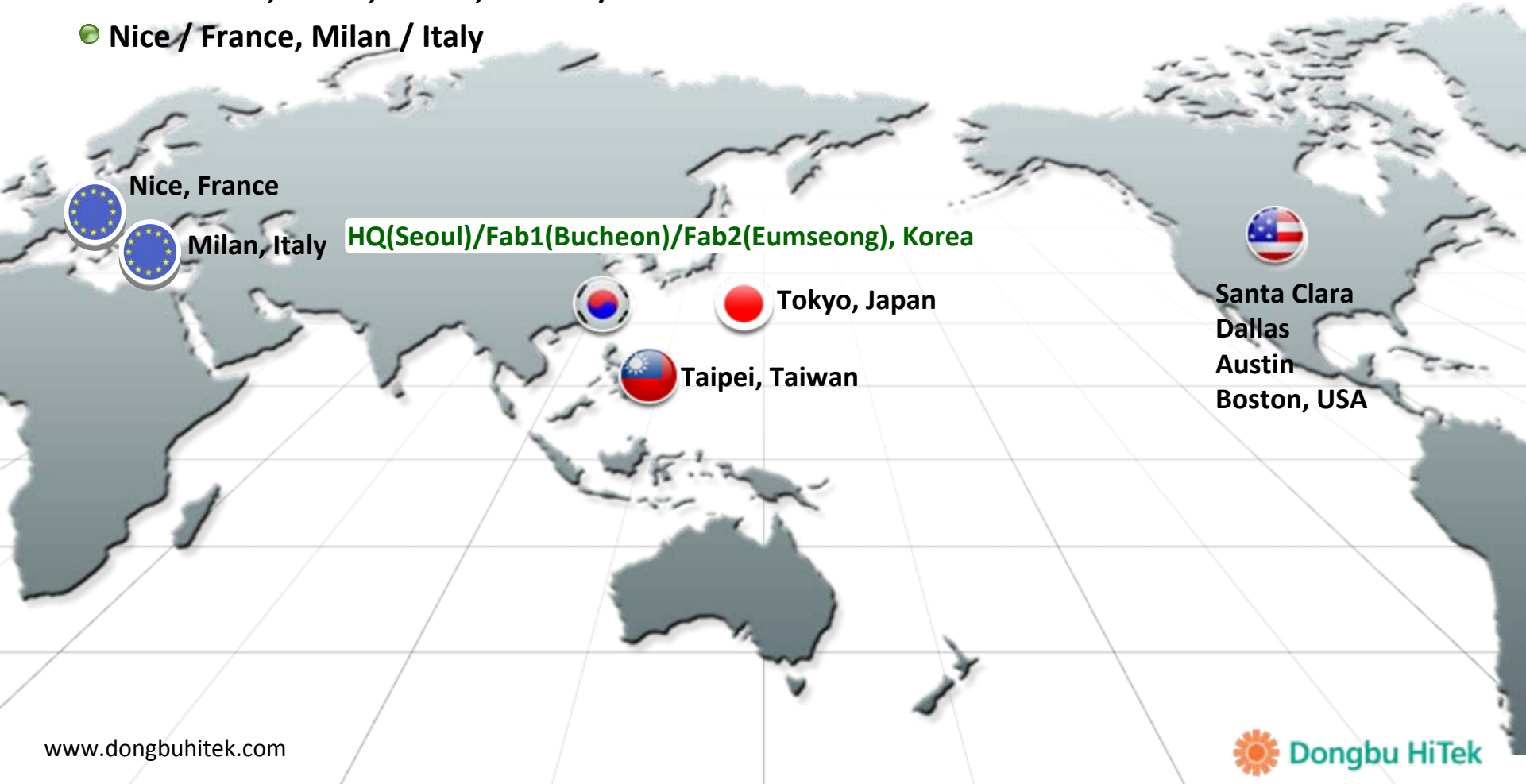
Capacity



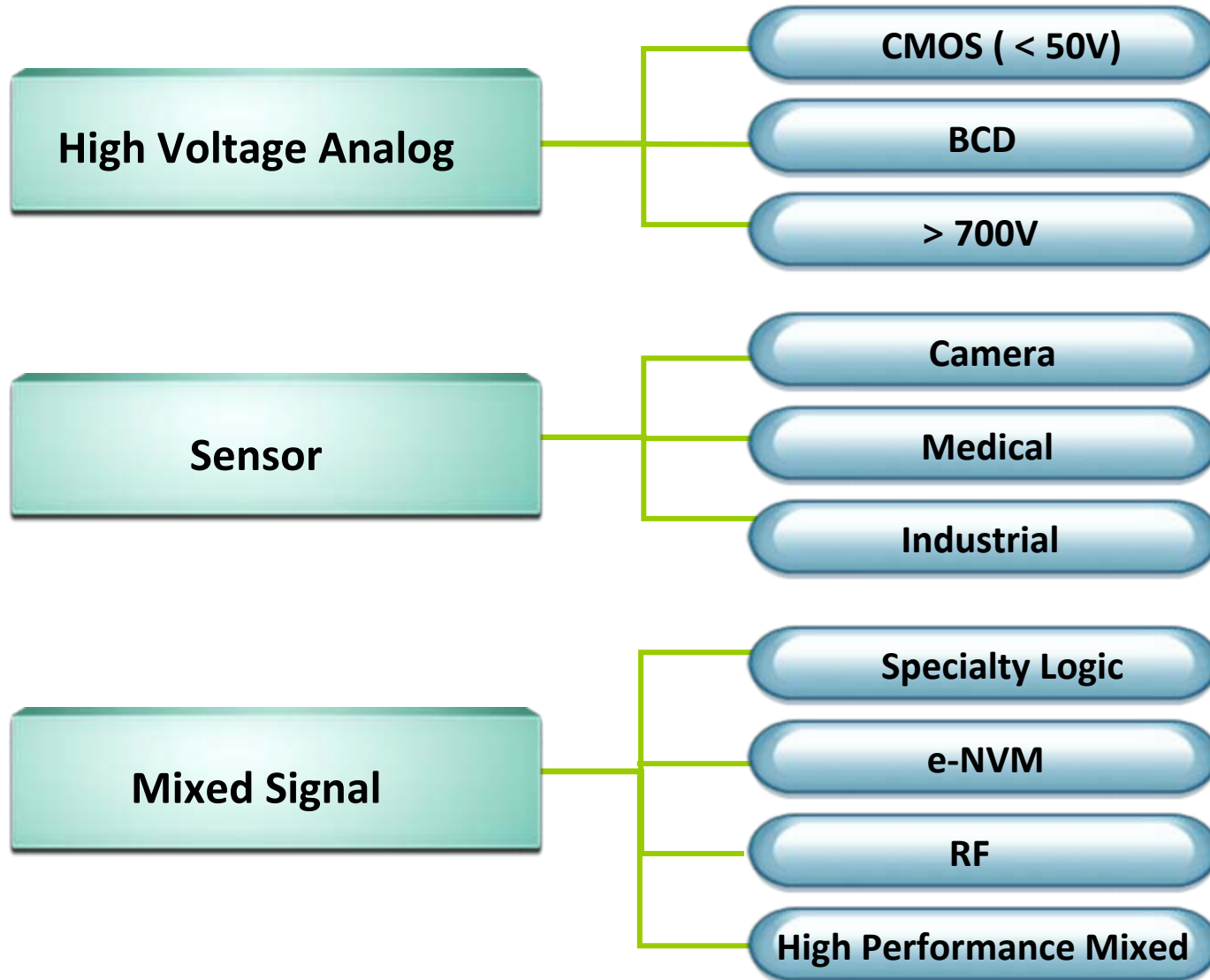
Sales & R&D Networks

Sales & R&D Network

- Taipei / Taiwan
- Tokyo / Japan
- Santa Clara, Dallas, Austin, Boston / USA
- Nice / France, Milan / Italy



Technology Expertise



Portfolio - 3C + 1I (Computer, Communication, Consumer, Industrial)



Analog IC

PMIC
Audio Amp.
LCD Panel Power IC
Motor Controller
LED Driver IC
Converter



Image Sensor

Mobile Phone
Digital Camera
Camcorder
Videoconferencing
Security
Automotive / Medical



Display IC

LCD TV
LCD Monitor
AMOLED
Mobile Phone
PDA
Digital Photo Frame



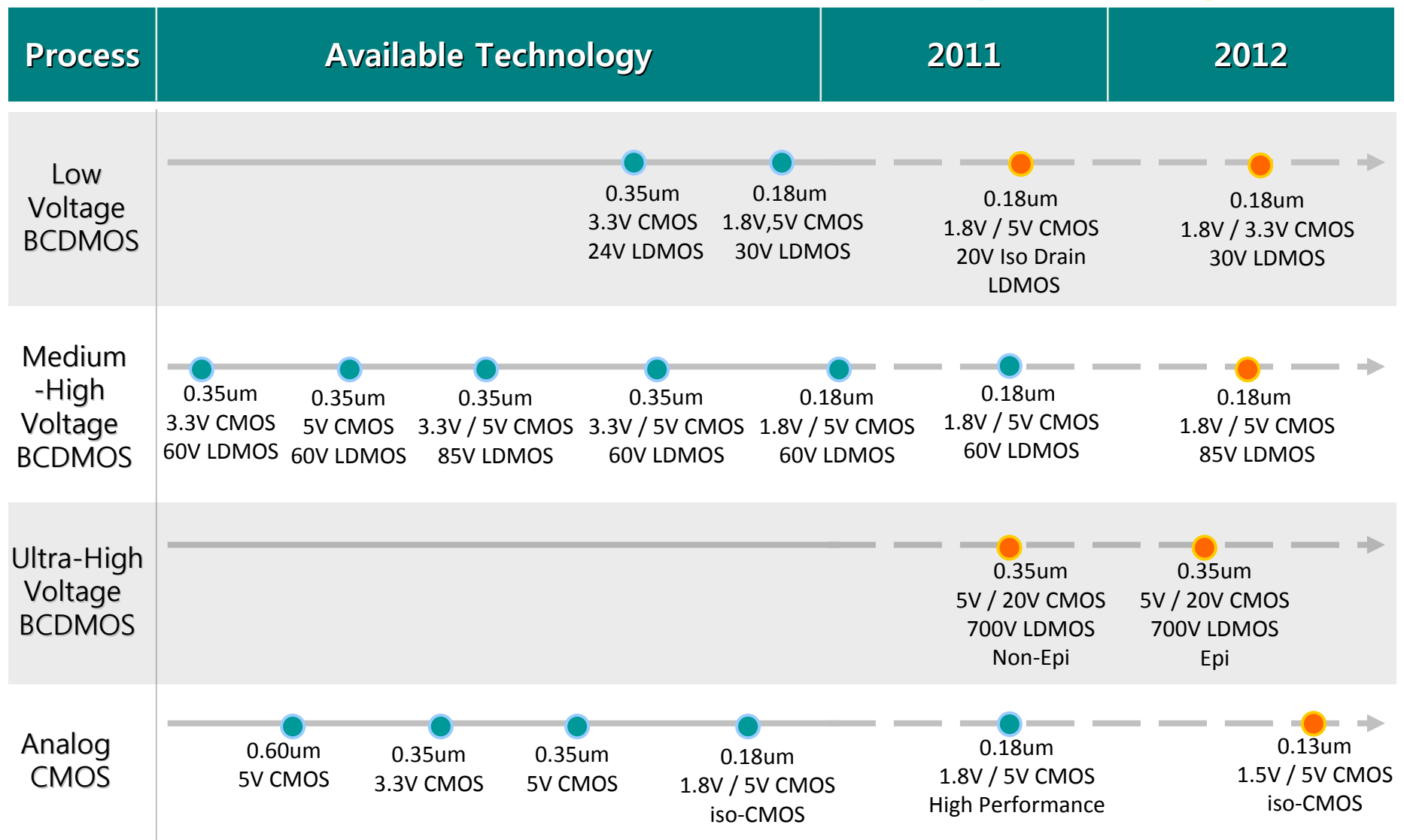
RF/Flash/Logic

Mobile Phone
MP3 Player
Laptop PC
Set-top Box
Network Server
Wireless LAN
Bluetooth
Home Appliances



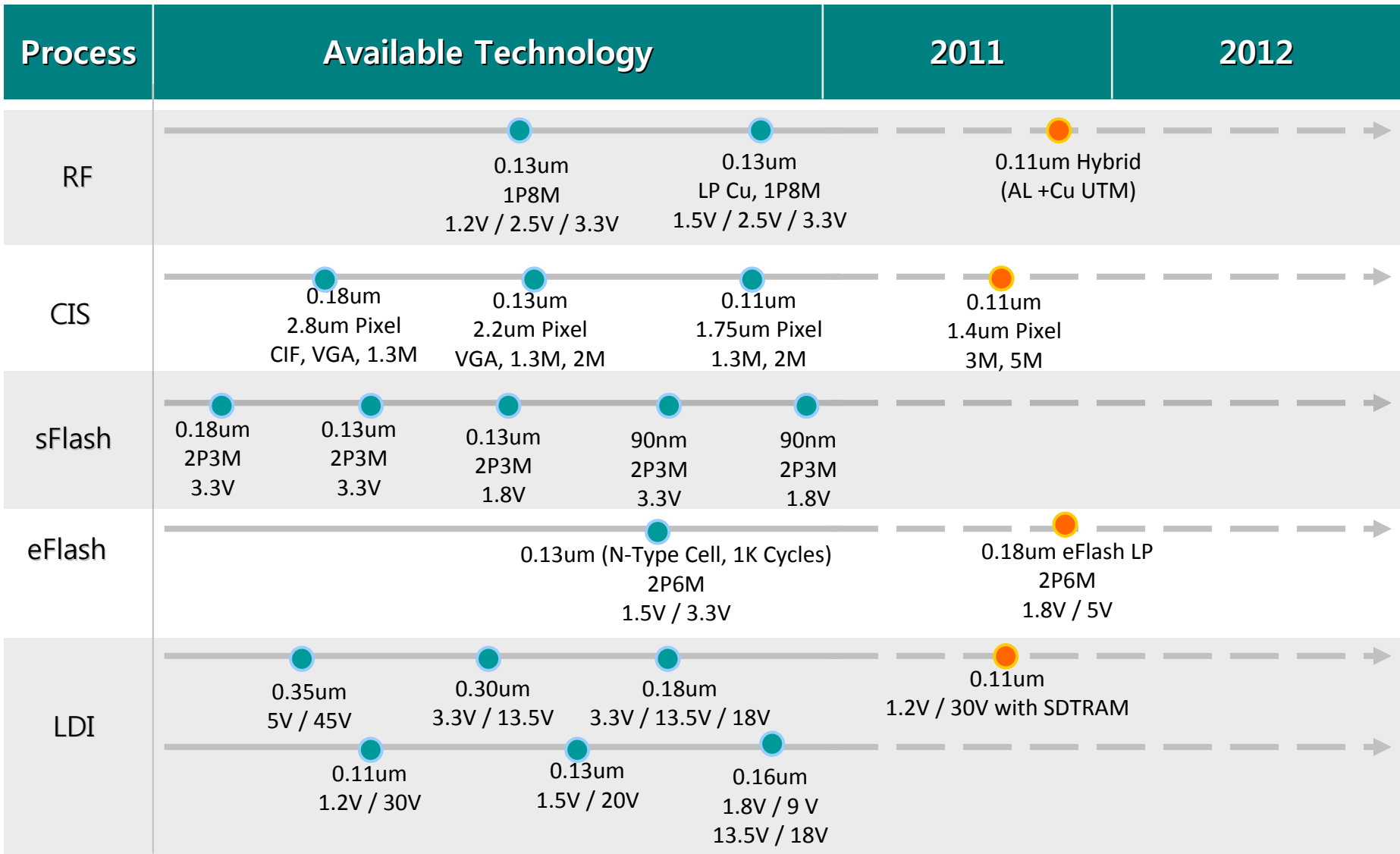
Technology Roadmap – BCDMOS

 : Available  :Planned



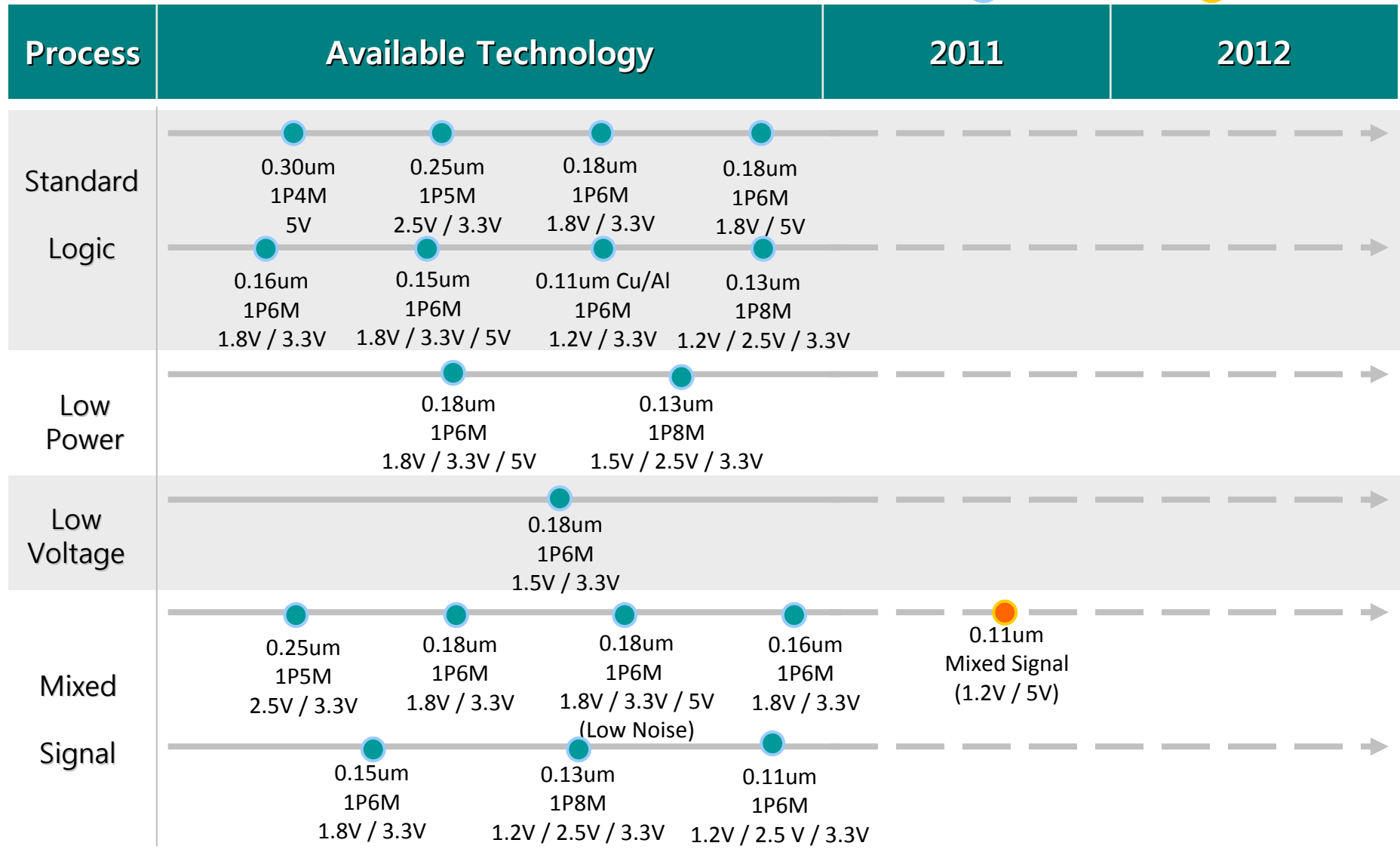
Technology Roadmap – Mixed -Signal

 : Available  :Planned

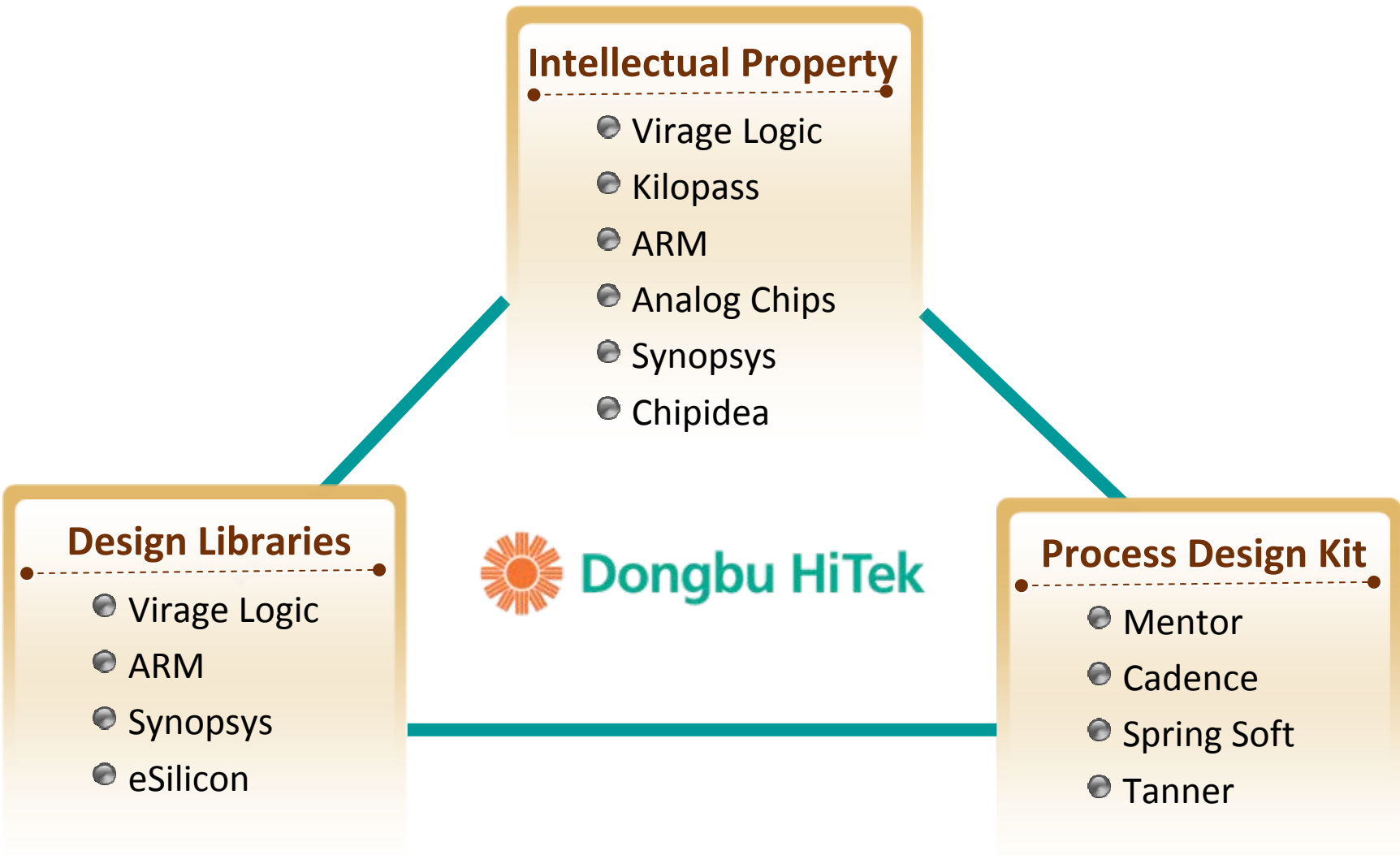


Technology Roadmap - Logic

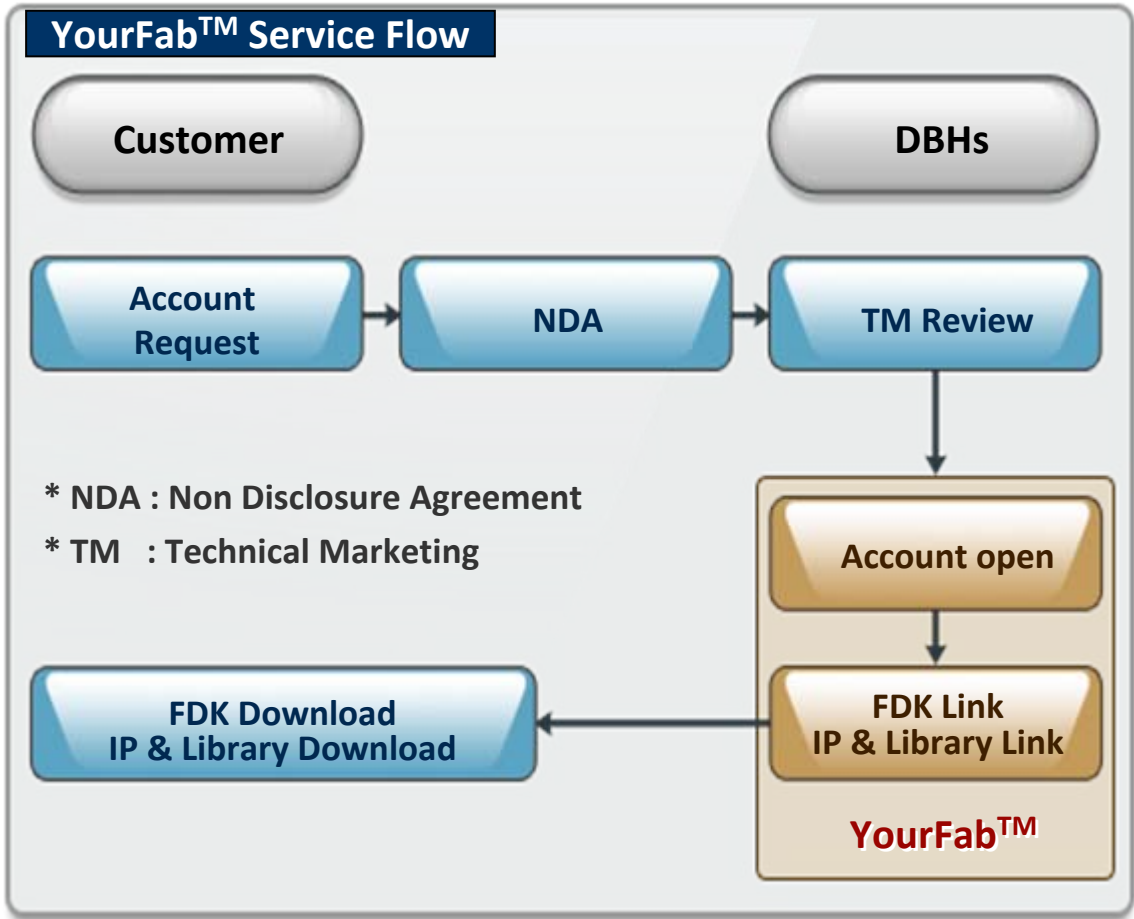
 : Available  :Planned



Customer Support - IP, Library, PDK



Customer Support – YourFab™ Service



Customer Support – ShuttleChip™ Service

MPW Schedule

Process	Tech	Fab	1Q			2Q			3Q			4Q		
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
High Voltage (AN180&BD180)	0.18um	Fab1	12	23		06	25		08	24		12	22	
High Voltage (BD350)	0.35um	Fab1	26		09	20		08	20		15	26		07
Mixed-Signal	0.11um	Fab2	26			20			20			26		
	0.15 ~ 0.18um	Fab2					25				24		22	
	0.15 ~ 0.18um	Fab1		09			11				10		08	
e-Flash	0.13um	Fab2			23						10			
	0.15 ~ 0.18um	Fab2							06					21

Customer Support – Certifications



Quality Certification

- ISO/TS 16949, ISO 9001

ESH Certification

- PSM, ISO14001, OHSAS 18001

Security Certification

- ISO27001



ROHS Activity

- All products manufactured by Dongbu HiTek are in compliance with the RoHS directive. Products by Dongbu HiTek do not contain Lead, Mercury, Cadmium, Hexavalent Chromium, PBB and PBDE.

YOUNG Dongbu!

- Y** Yes , we can do
- O** On Time Delivery/Development
- U** Unlimited Challenge
- N** No Loss , More Profit
- G** Great People/Technology

Thank You