

The logo for ASPEED, featuring a stylized 'A' in red and blue, followed by 'SPEED' in blue. The background is a blue sky with white clouds and a blue wavy line at the top.

ASPEED

Q3, 2020

Lili Wu

Safe Harbor Notice

- ASPEED's statements of its current expectations are forward-looking statements subject to significant risks and uncertainties and actual results may differ materially from those contained in the forward-looking statements.
- Except as required by law, we undertake no obligation to update any forward-looking statement, whether as a result of new information, future events, or otherwise.

ASPEED in Brief



- Established in Nov. 15th , 2004
- Paid-In Capital: NTD 341M (USD 10.99M)
- Number of Employees: 94
- Location:
 - ASPEED Technology Inc.: Hsinchu City, Taiwan
 - ASPEED Technology (U.S.A) Inc.: San Jose, USA

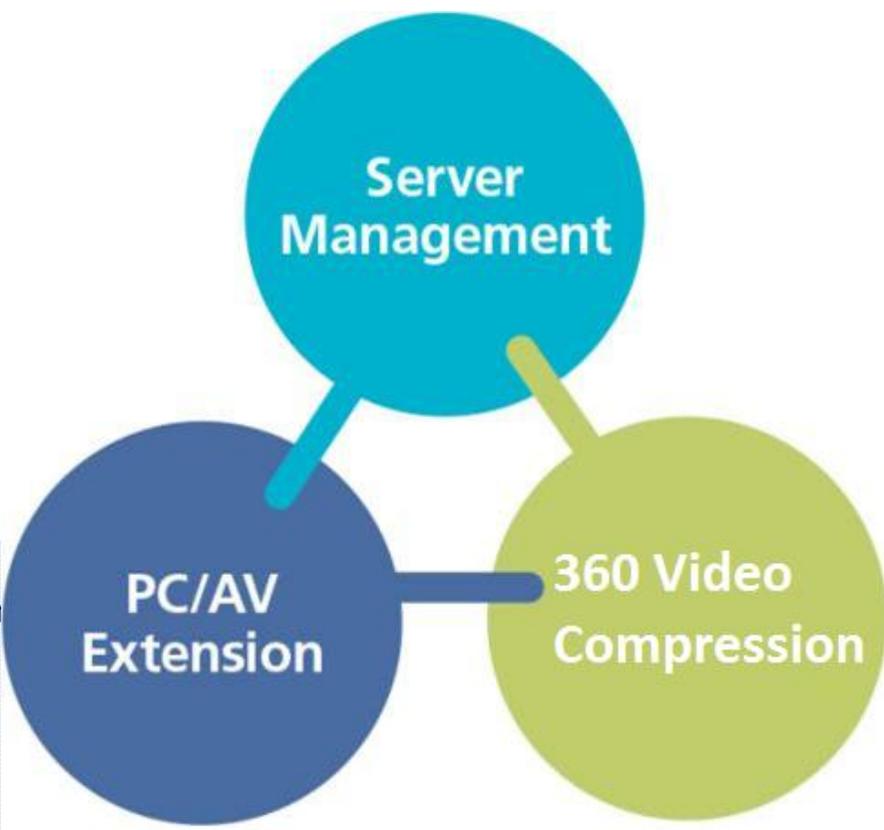


Product Lineup



AST1010
AST2200 / AST2150
AST2300 / AST1300 / AST1050
AST2400 / AST1400 / AST1250
AST2500 / AST2510 / AST2520 / AST2530
AST2600/Pilot5

28nm LP Process
Dual Core 1GHz CPU
DDR4 SDRAM
Robust Security Architect
and Features
A0: July/2019
A1: Feb/2020



AST1500 / AST1510
AST1520 / AST1525
AST1620/AST1625

130nm LP Process
Support 4Kx2K Resolution
<80 us latency
1GHz CPU
DDR4 SDRAM
ES: 2017/Q2
PS: 2017/Q3

AST1220

40nm LP Process
1GHz CPU
PLDDR3 SDRAM
6-Cam Real Time Stitching
H.264/265 4k2k Endoding
PCIe Gen-II
ES: Aug. 2018
PS: Nov. 2018

Product Portfolio



Server Management
SoC Solutions



PC/AV Extension
SoC Solutions



360 Spherical Image
Processor SoC





Remote Server Management

7th GEN ASPEED AST2600

Baseboard Management Controller (BMC) chip

Samples **AVAILABLE NOW!** MP in 2020



Optimize Performance

High Computing Power

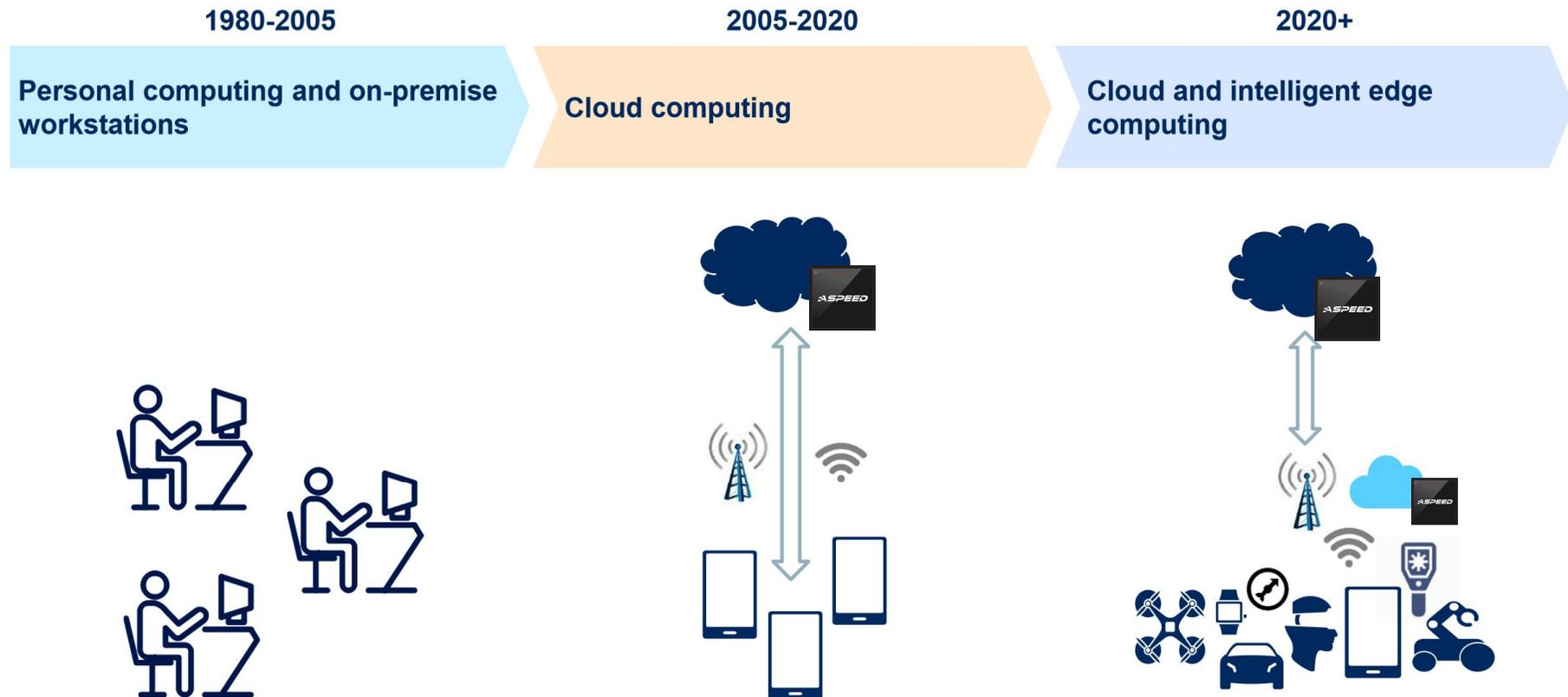
Low Power Consumption

Enhanced System Security

Server Trend- Mix of Cloud and Edge



Future will be mix of cloud and edge computing.



Product Portfolio



Server Management
SoC Solutions



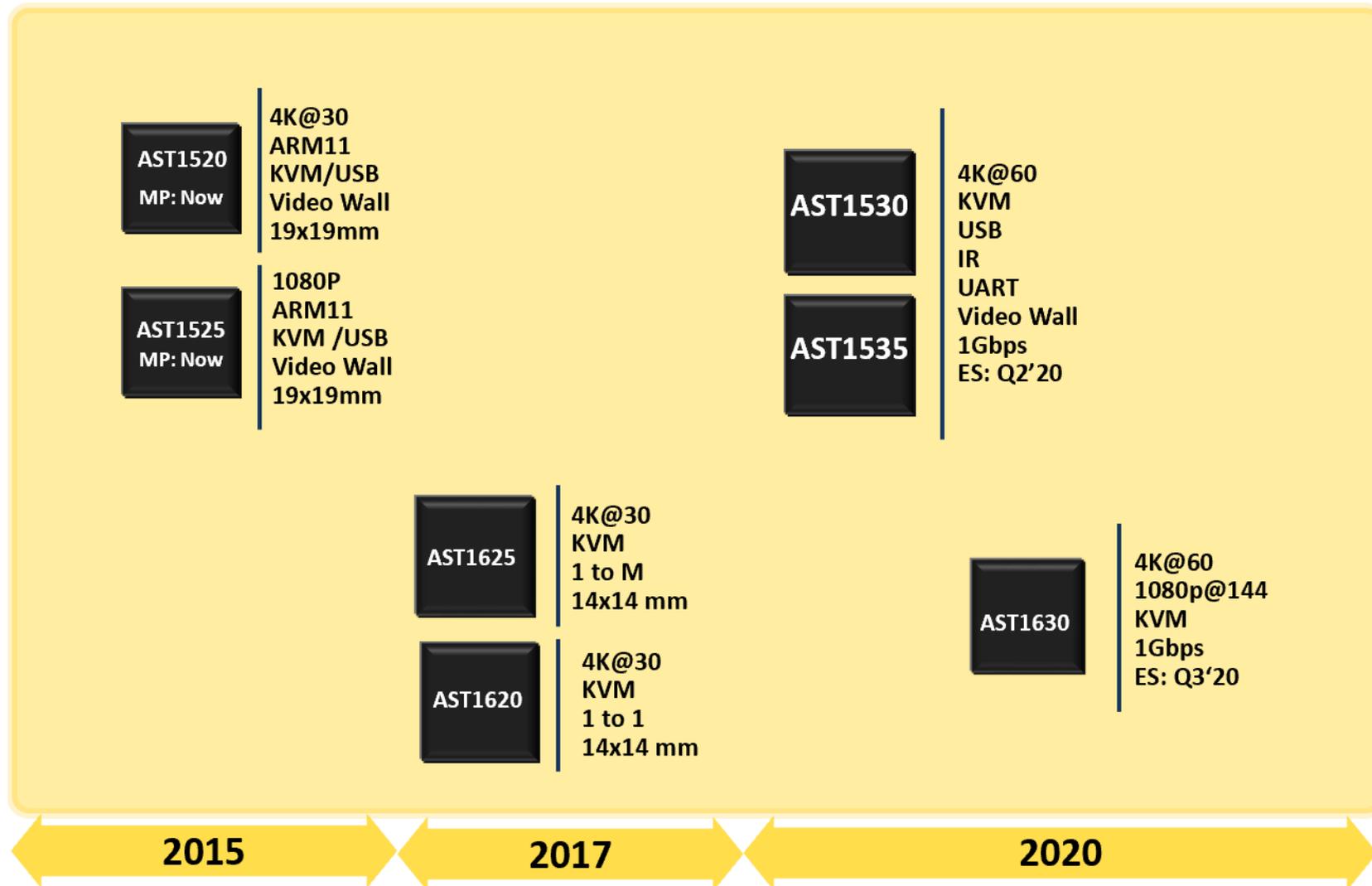
PC/AV Extension
SoC Solutions



360 Spherical Image
Processor SoC



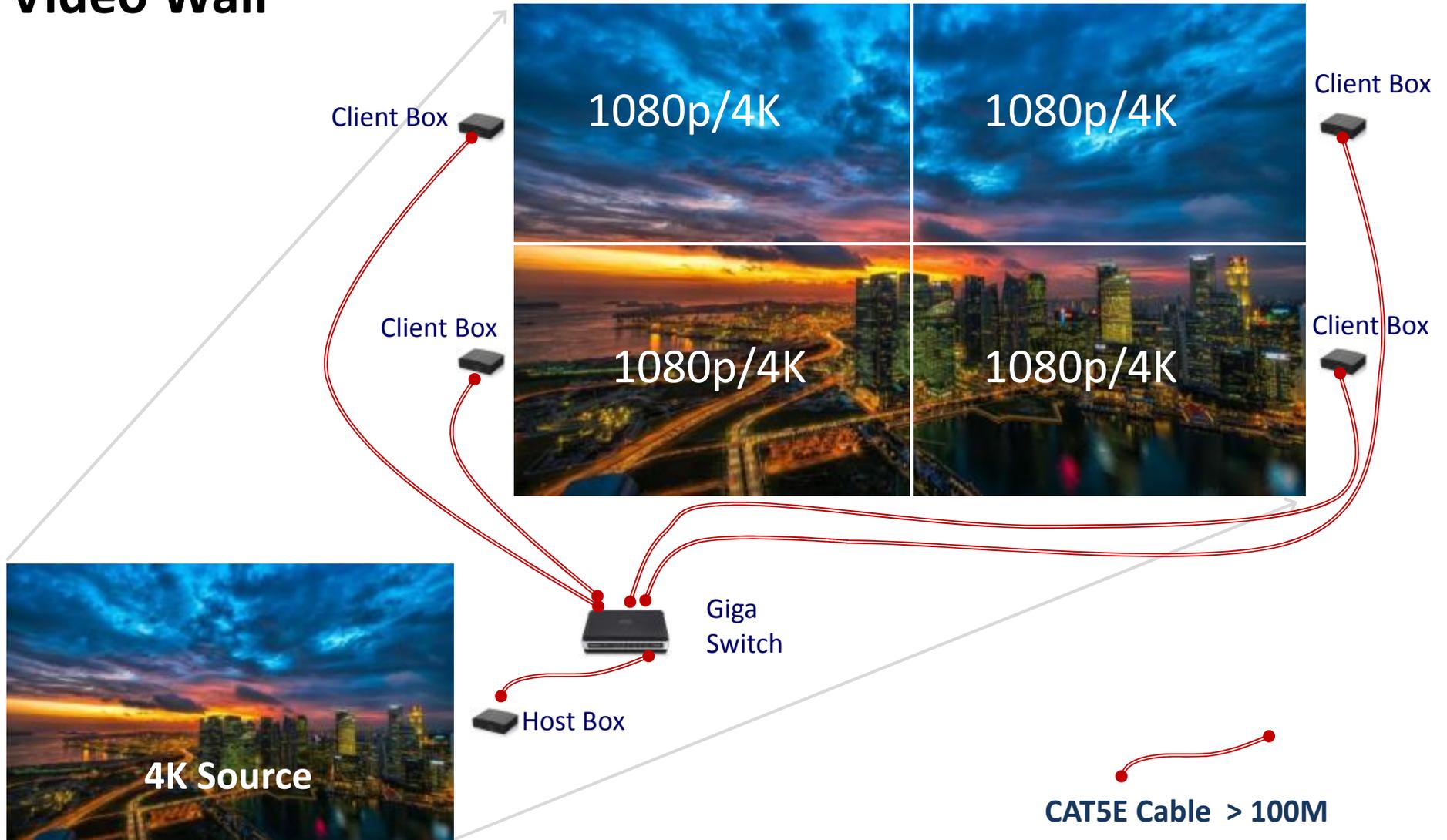
A/V over IP Roadmap



AST15xx Application System Topology



Video Wall



Product Portfolio



Server Management
SoC Solutions



PC/AV Extension
SoC Solutions



360 Spherical Image
Processor SoC



4 Cam 360 for Conference



Single fisheye lens

- Ineffective pixels in ROI



4 Wide-angle lenses

- Effective pixels in ROI



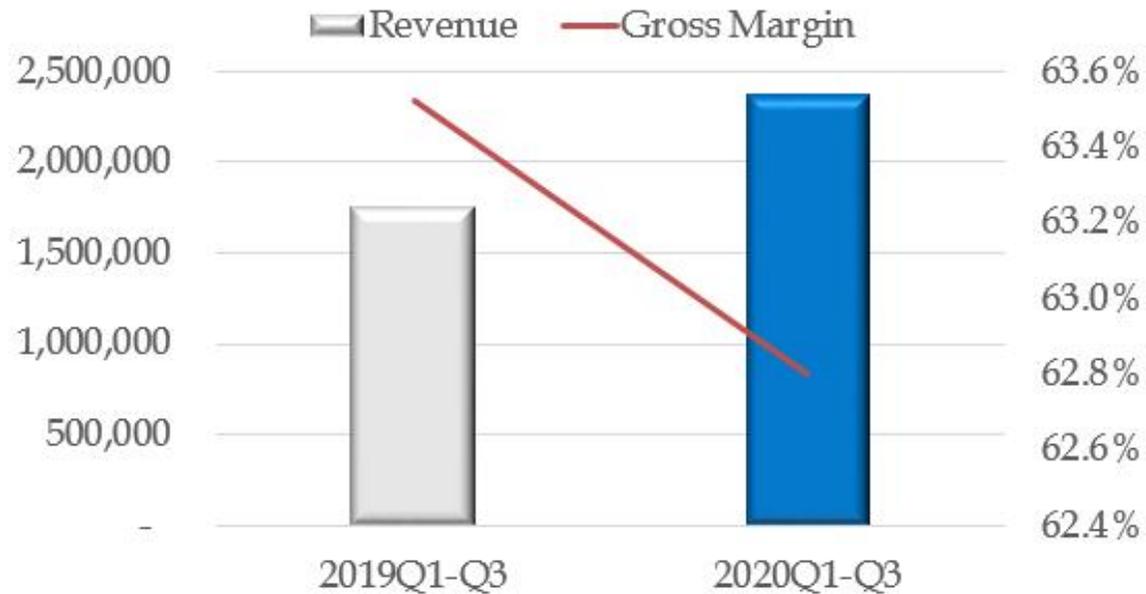
Platform	ASPEED AST1220
Field of View	360° (H) x 60° (V)
Video	1920x1080@30fps (16:9) 3840x640@30fps(6:1) 7200x1200@20fps(6:1)
Video format via UVC	MJPEG H.264/265(developing)
Audio	Microphone, Speaker (Two-way Audio)

- Ready for Integrate with external AI system to crop avatars of attendees.
 - Beamforming
 - Face detection/recognition
 - People Tracking

Consolidated Revenue



Unit : NTD 1,000



Year	2019Q1-Q3	2020Q1-Q3	YOY
Revenue	1,761,337	2,366,229	34.3%
Gross Margin	63.5%	62.8%	(1.1%)

Consolidated Revenue



Unit : NTD 1,000

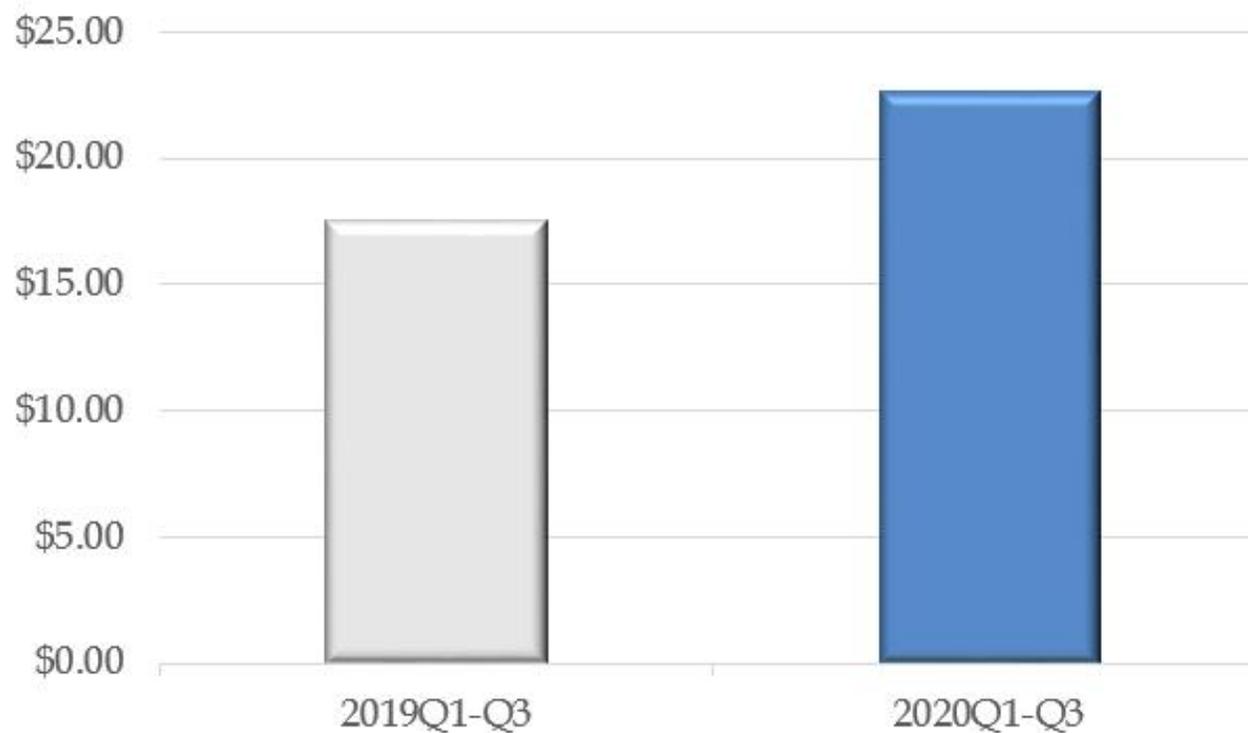


Quarterly	Q119	Q219	Q319	Q120	Q220	Q320	YOY	QOQ
Revenue	551,125	522,942	687,270	732,368	901,353	732,508	6.6%	(18.7%)
Gross Margin	63.6%	64.5%	62.7%	62.4%	62.4%	63.7%	1.6%	2.0%

Consolidated Earning Per Share



Unit : NT\$



Year	2019Q1-Q3	2020Q1-Q3	YOY
EPS	\$ 17.57	\$ 22.64	28.9%

Dividend Policy



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Cash dividend (F)	2.29	3.00	4.00	5.00	5.50	7.00	8.00	12.00	15.00	18.00	22.00
Stock dividend (F)	2.00	1.42	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
Dividend form capital reserves (F)	0.30	0.60	0.22	0.20	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Dividend	4.59	5.02	4.22	5.20	6.50	9.00	8.00	12.00	15.00	18.00	22.00
EPS	5.64	5.66	4.77	6.50	7.40	10.72	10.79	14.07	15.70	20.20	24.39

Earning distributions:

- Employee bonus can not be less than 8%
- Directors bonus no higher than 3%
- With respect to the earnings available for distribution plus the previously cumulative undistributed retained earnings, the Board of Directors may present a proposal to distribute to the Shareholders by way of dividends at the annual general meeting for approval. Having considered the operational, financial and tax factors, including the Company being in the growing stage during the business life cycle and the future expansion projects, any remaining profits may be distributed in the form of cash dividends and/or shares, and the cash dividends shall be no less than 10% of such remaining profits to be distributed.



Thank You