

Zhen Ding Technology Holding Investor Conference

Chairman, Charles Shen

November 11, 2020

2009-2019 Financial Summary

Unit: Million NTD; %

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Revenue	22,988	34,696	44,280	55,369	64,483	75,954	85,738	82,393	109,238	117,913	120,068
Gross margin	18.61%	13.37%	15.79%	19.46%	18.44%	18.86%	19.16%	15.22%	16.33%	22.10%	22.67%
Net income	1,184	711	2,356	4,056	5,471	6,735	7,731	3,456	6,772	11,536	12,402
Net income attributable to the parent company	1,184	711	2,356	4,138	5,471	6,735	7,731	3,456	5,172	8,448	8,685
Cash (Note 1)	1,291	1,797	4,084	8,756	10,016	23,482	31,572	30,241	33,296	49,154	43,071
Depreciation & Amortization	2,297	2,807	3,008	3,375	3,742	4,293	4,850	5,295	5,679	6,820	7,955
Capital	6,640	6,464	6,699	7,034	7,386	7,386	8,047	8,047	8,047	8,047	9,022
ROE (Note 2)	10.82%	5.54%	15.34%	21.27%	23.77%	23.33%	20.82%	8.59%	14.49%	17.30%	14.72%
Debt ratio	67.08%	69.70%	67.03%	66.28%	64.06%	62.54%	53.70%	59.72%	55.33%	44.25%	35.41%

Note:

(1) Cash includes cash & cash equivalents and current financial assets at fair value through profit or loss.

(2) The change of 2019 ROE is due to the increase of total equity resulting mainly from 3,601 million RMB fundraising of the Company's subsidiary – Avary's IPO.

Jan – Sep, 2020 Financial Summary

Unit: Million NTD; %

Period	Jan – Sep, 2020	Jan – Sep, 2019
Revenue	76,079	78,095
Gross margin	18.37%	20.59%
Net income	5,453	7,208
Net income attributable to the parent company	3,777	5,005
Cash (Note 1)	38,851	43,340
Depreciation & Amortization	5,973	5,842
Capital	9,022	9,022
Debt ratio	37.97%	38.86%

Note: Cash includes cash & cash equivalents and current financial assets at fair value through profit or loss.

2020

2004



Fuyong, Shenzhen



Shenzhen Park I



Shenzhen Park II



Qinhuandao Park



Huai'an Park I



Huai'an Park II



Huai'an Park III



Chennai Park



Taoyuan (Boardtek)

Shenzhen Park



Shenzhen Park I



**Land area: 101,172 square feet/ 152 acres
Building space: 240,446 square feet**

Bridge Across Shenzhen Parks



Shenzhen Park II





Huaian Park II



**Width of bridge: 22m
Width of river: 36m
Height of bridge: 5~6m
Depth of river : 2~3m**

Huaian Park II

北



Land area: 336,423 square feet/ 505 acres
Building space: 584,613 square feet
Groundbreaking: Jan. 8, 2015
Pilot production: Jan. 30, 2016



Qinhuandao Park



Qinhuandao Park



Land area: 413,428 square feet/ 620 acres

Building space: 376,949 square feet

Chennai Park





臻鼎

臻鼎科技
Zhen Ding Tech.

Headquarters

(Guangdong-Hong Kong-Macau Greater Bay Area)



HQs – Avary Time Center

- PCB Institution
- PCB Industrial Museum



**Social Responsibility
Talent Development
Industry Leadership**

The world's Largest PCB Company in 2019

1

Ranked 35 of “Taiwan’s Top 2000 Manufacturing Companies” in 2019. (reported by CommonWealth magazine)

35

Ranked 185 of “Greater-China Top 1000 Companies by Market Cap” in 2019.

(reported by Business Today magazine)

185

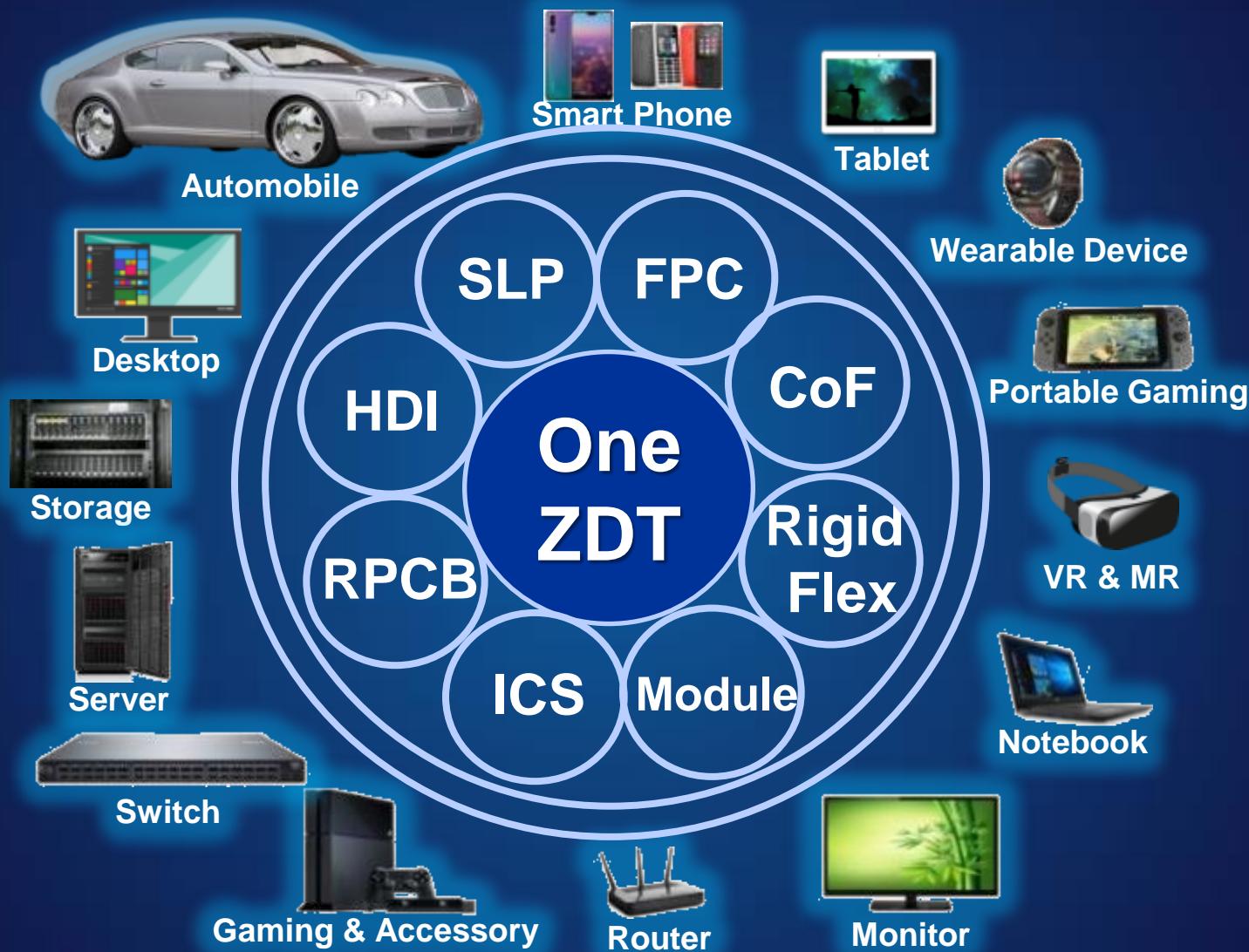
The 2nd Jiangsu Technology Innovation Award

(received on March 25, 2019)

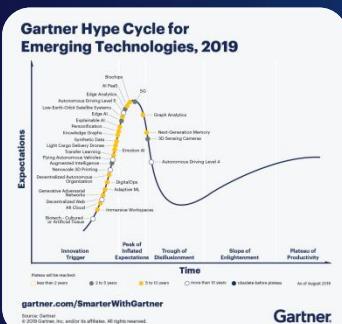
The 4th Shenzhen Industrial Award

(received on November 18, 2019)

One ZDT



ZDT's Product Developments



Post-Classical Computing & Communication

5G → 6G
AI Sensing IoT

Augmented Human



Consumer Electronics



Camera



Audio



RF Antenna



Touch Display



Main Board



Internet Facility



Cloud



Thermal Management



Energy & Power



ADAS



Bio Sensor



Advanced Materials



Bio Electronics



Automotive Electronics

Sensing & Mobility



Wearable Device

Advanced AI & Analytics



Telecommunication

Digital Ecosystems



Digital Ecosystems

Augmented Human



Augmented Human



Technology Features of PCBs

Heat
Dissipation

High
Reliability

Muti-layer
connection

High Frequency
High Speed

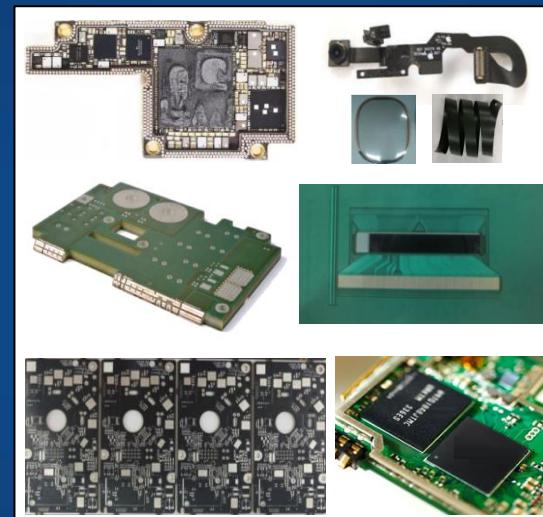
High
Density

Thinner

Integration

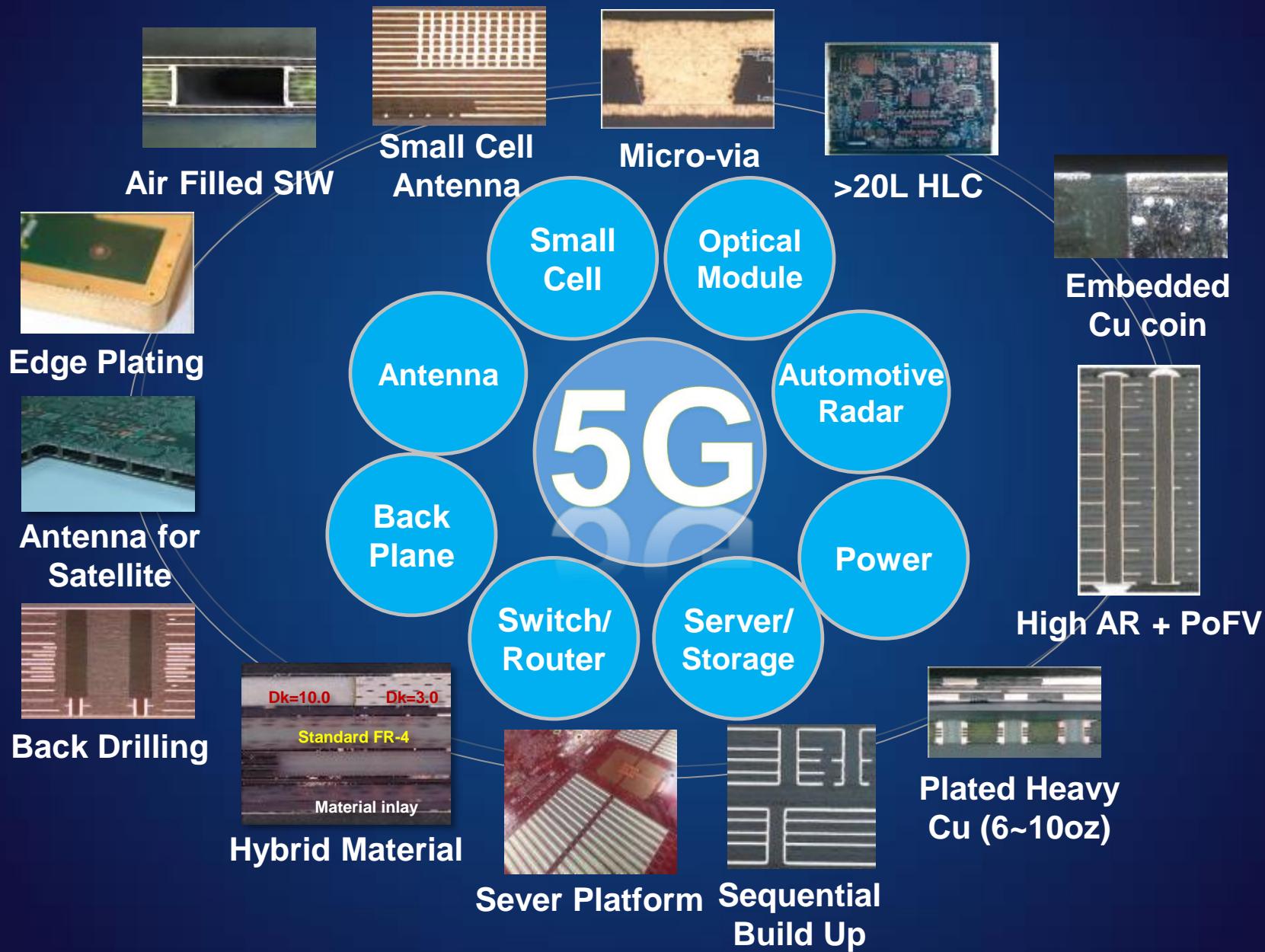
Elaborate
Product

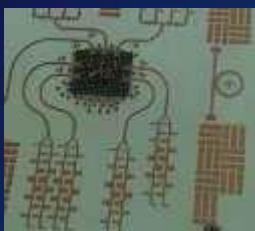
Miniature



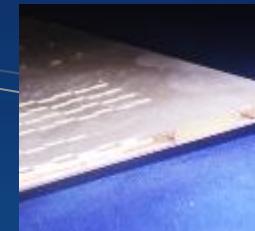


5G PCB Product Portfolio

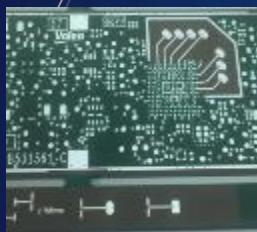




8 Layers, Deep control via (RO3003+FR-4)



Embedded Waveguide Slot Antenna



Taconic
TSM-DS3 + FR-4

77GHz
Rader

Air-filled
SIW 77GHz
Rader

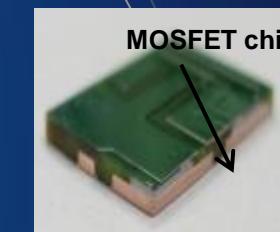
Chip
Embedded

Interior
Radar
(62 GHz)

AUTOMOTIVE

Bus Bar
PCB

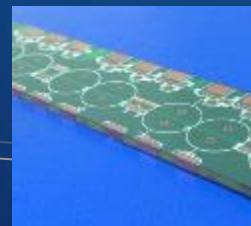
Electrical
Motorbike



Embedded High Power
Modulus
Silver Sintering
Cu-coin Heat Sink



Bus Bar PCB



High Power 4 Layers
(17 Embedded Cu-coins)

Patent Applications and Granted

As of 2020/11/04

Number of patent applications:
2,328 (incl. 100 from Boardtek)



Number of granted patents:
1,027 (incl. 44 from Boardtek)



93% are invention patents



清華大學
(北京, 深圳研究生院)
Tsinghua University



北京大學
(深圳研究生院)
Peking University



香港城市大學
(香港)
City University of Hong Kong



清華大學
(臺灣, 新竹)
Tsing Hua University



成功大學
(臺灣, 台南)
National Cheng Kung University



交通大學
(臺灣, 新竹)
National Chiao Tung University



哈爾濱工業大學
(廣東, 深圳)
Harbin Institute of Technology



中山大學
(廣東, 廣州)
Sun Yat-sen University



台灣科技大學
(臺灣, 臺北)
National Taiwan University of Science and Technology



中央大學
(臺灣, 桃園)
National Central University



台北科技大學
(臺灣, 臺北)
National Taipei University of Technology



東南大學
(江蘇, 南京)
Southeast University



深圳大學
(廣東, 深圳)
Shenzhen University



中興大學
(臺灣, 台中)
National Chung Hsing University



逢甲大學
(臺灣, 台中)
Feng Chia University



燕山大學
(河北, 秦皇島)
Yanshan University



中原大學
(臺灣, 桃園)
Chung Yuan Christian University



廣東工業大學
(廣東, 廣州)
Guangdong University of Technology



元智大學
(臺灣, 桃園)
Yuan Ze University



河北工業大學
(天津)
Hebei University of Technology



中科院深圳
先進技術研究院
(廣東, 深圳)
SIAT



臺灣工業技術
研究院
(臺灣, 新竹)
ITRI

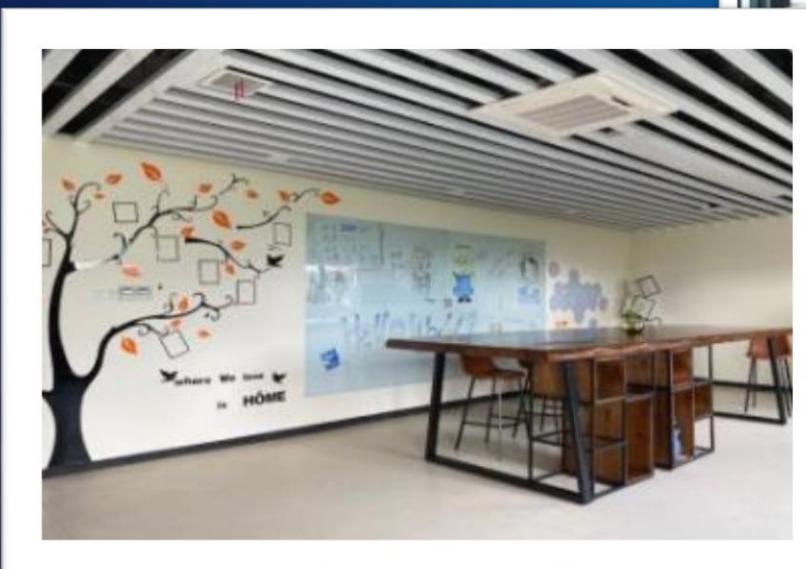
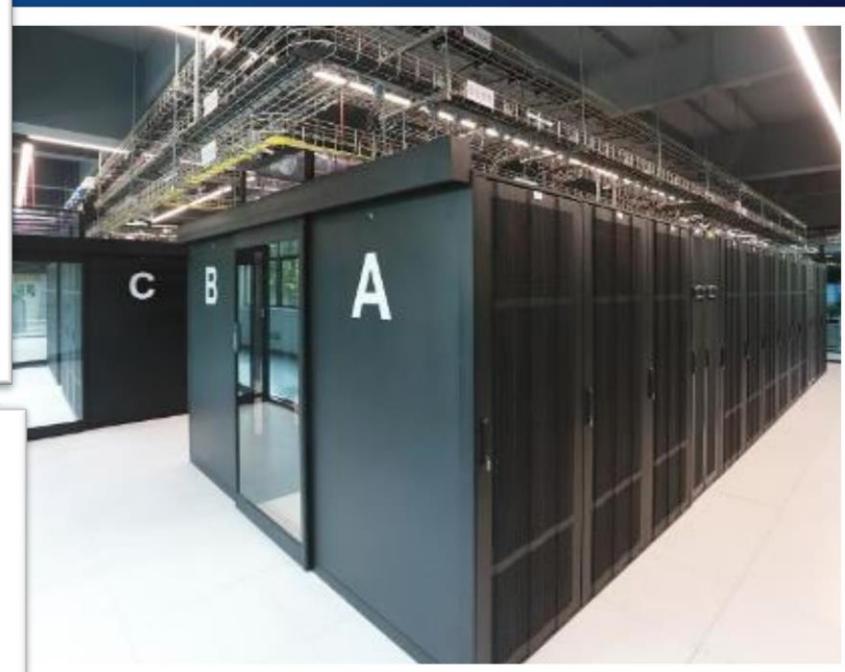


深圳資訊通信研究院
(中國資訊通信研究院南方分院)
(廣東, 深圳)
SAICT

*高校依據QS世界大學排名

ZDT is collaborating with 23 colleges and universities as of Oct. 31, 2020.

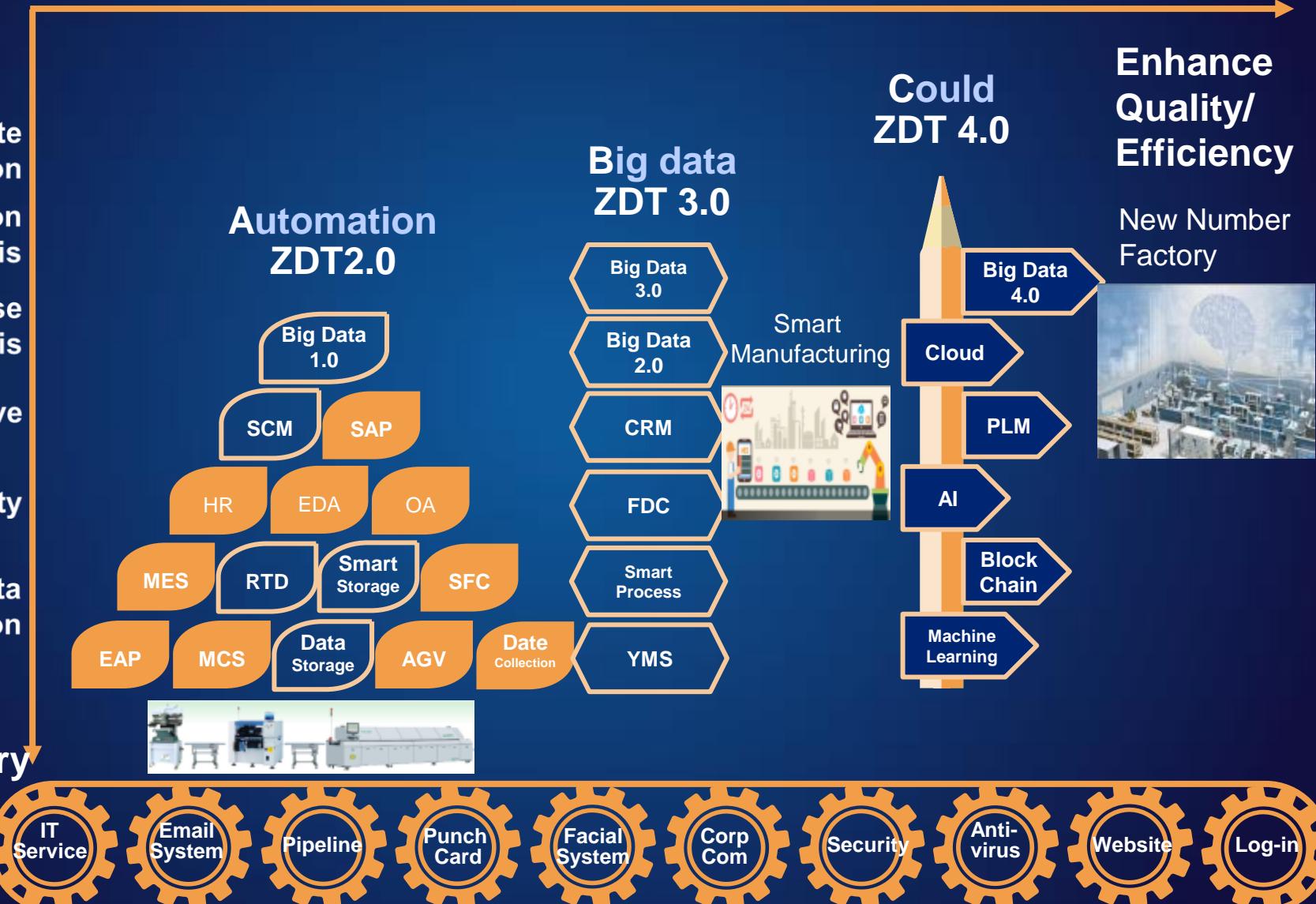
IT Infrastructure



ZDT's Smart Industry 4.0

Simplification → Automatic → Intelligent → Intellectual

Immediate Reaction
Projection Analysis
Cause Analysis
Retrospective
Visibility
Basic Data Collection
Resuce Cost/
Inventory



ZDT's Seven Green Policies

To develop materials and technologies
for a better environment

To promote
green initiatives
at all operations
and daily lives

To recycle
resources and
reuse utilities

To provide green
solutions to our
customers

To enhance
management of
green supply chain
to meet the green
product standards

To reduce
consumption
and improve
efficiency

To improve efficiency
of packaging and
transportation



Green Awards

As of 2020/10/31

5 Awards Received from US Customers

- A supplier goes above and beyond for the environment (APPLE)
- Best greenhouse gas emissions
- Best CSR

18 Awards Received in Qinhuandao

- Green factory
- Zero waste certification (ZWP)
- UL platinum certification
- AWS platinum certification

27 Awards Received in Shenzhen

- Green factory
- Guangdong green label enterprise
- Guangdong best eco-friendly enterprise
- AWS platinum certification

37 Awards Received in Huaian

- Green factory
- Jiangsu green label enterprise
- Huaian best water saving
- AWS platinum certification
- Green supply chain



Publication on March 8, 2018



Supplier Responsibility

2018 Progress Report



供应商责任

2018 年进展报告



对人的责任
对地球的责任
进展

5
26
39

A supplier goes above and beyond for the environment.

Avary Holding in Shenzhen, China, has been an Apple supplier for over seven years. Avary strongly supports green initiatives and has worked with Apple to develop programs that go above and beyond what's required by our Supplier Code of Conduct.

While Avary is working towards attaining a Zero Waste certification, they are also extending their impact beyond eliminating landfill waste. Avary has a number of green initiatives occurring in their factory, including investing in systems to recover copper from process waste streams, and establishing industry-leading chemical management practices that protect workers and the environment. As the first graduate of the Clean Water Program in 2016, Avary has achieved an impressive 58 percent wastewater reuse rate, by installing a comprehensive water metering system, optimizing their water consumption for component manufacturing and finding ways to reuse process water for cooling systems, landscaping, and sanitation systems.

Avary's commitment to the environment has not gone unnoticed. As a result of their efforts, the national government, as part of an initiative to promote green manufacturing in China, named Avary as a Green Manufacturing pilot site. In addition, for their water conservation progress, in 2016 Avary was named the first Clean Water Program graduated site in China.

— Source: Apple's Supplier Responsibility 2018 Progress Report

Publication on
May 15, 2020



In 2019, three Apple supplier sites earned the AWS platinum certification. Among the platinum certified sites are two facilities owned by TSMC and one Avary Holding facility. "We would encourage all manufacturing businesses to pursue AWS certification," said Charles C.F. Shen, chairman of Avary Holding. "Pursuing the platinum certification provided a framework for us to collaborate with the communities and other businesses in the area, and has helped us to integrate water stewardship into our daily operations."

— Source: **Apple's Supplier Responsibility 2020 Progress Report**

AWS (Alliance For Water Stewardship) is a global membership collaboration comprising businesses, NGOs and the public sector. Its members contribute to the sustainability of local water-resources through their adoption and promotion of a universal framework for the sustainable use of water.

ZDT's Culture



Integrity



Diligence



Responsibility



Collaboration & Sharing (No parties, power struggle and corruption)



Contribution

Mission

Technology development, benefit of mankind; environment protection, make the planet a better place

Vision

Leading the PCB industry for related developments

Value

Integrity, Responsibility, Innovation, Excellence, and Altruism

Community

Strategic
Partners

Employees

Customers

Shareholders

Cornerstone for the ZDT's Development

Management Philosophy

1. Leadership

2. Mission, Vision and Value

3. Business Sustainability

4. Latest Environments and Trend

5. Management Target and Strategy

6. IT-Based Management System

7. Well Organized Company Structure

8. Learning Oriented Organization

9. Corporate Governance

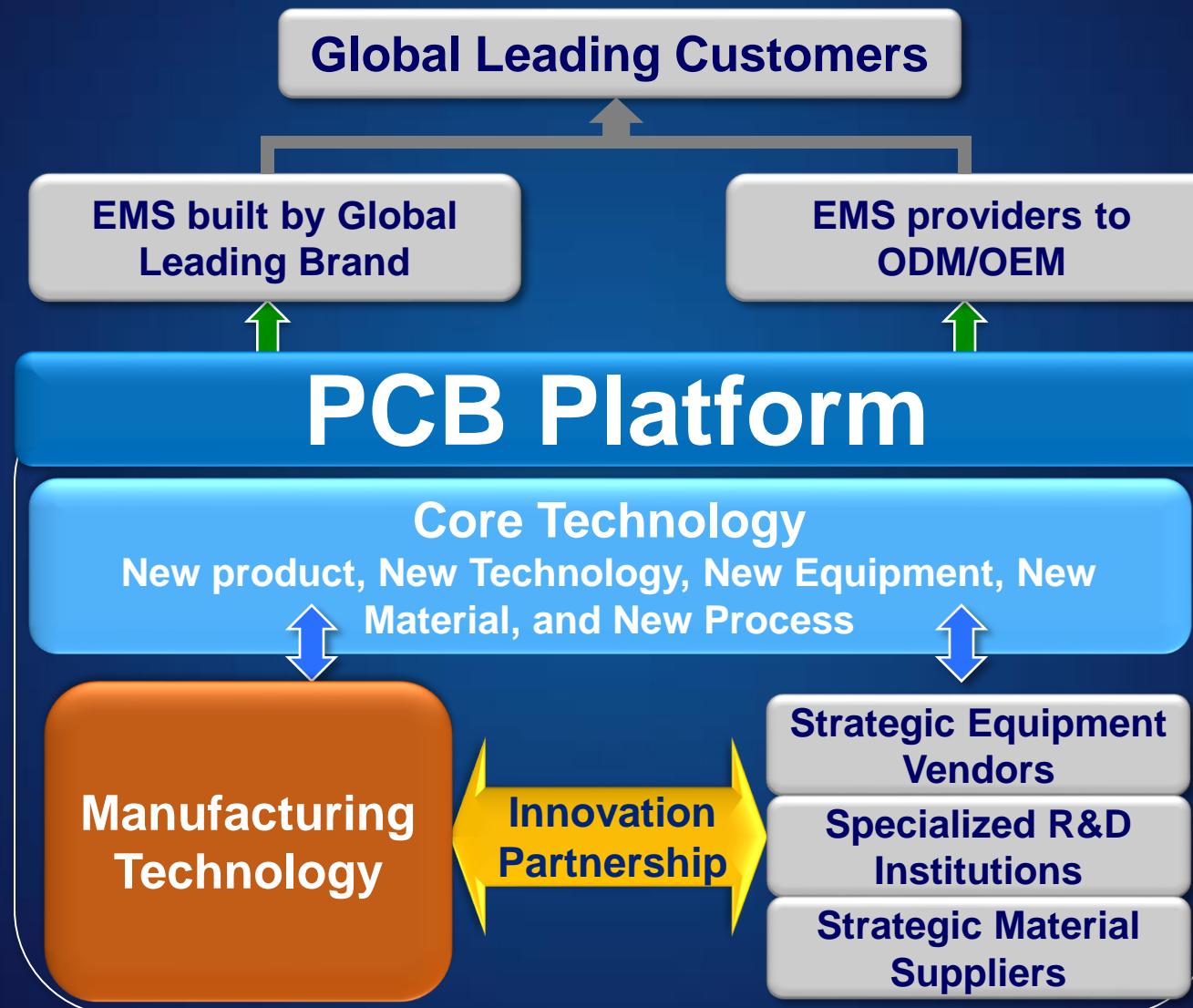
10. Customer Oriented ; Treat Partners Fairly

11. Corporate Social Responsibility

12. Superior Management Team Shared with Same Value

Concentrate, Devote and Professional

Strategic Alliance – Win-Win Innovation Partnership



Q&A