

iSMART



Industrial

Medical

Telecom

Server / Storage

Automotive

Renewable Energy



Your Solutions Partner
www.vso-corp.com

VSO Electronics Co., Ltd

Stock Code 6913



Your Solutions Partner

VSO Company Profile

Presenter: GM Star Lin

Disclaimer

The forecast statements mentioned in this presentation and the related information released at the same time, including operating outlook, financial and business conditions, etc., are obtained by the Company based on the internal materials and the overall external economic development status.

The actual future operating results, financial conditions, and business results of the Company may differ from the forecast statements, which may be due to factors including, but not limited to, the market demand, price fluctuations, competitive situation, various policies, laws, and regulations, and changes in the current financial and economic conditions, as well as other factors beyond the control of the Company.

The statements provided in this presentation reflects the Company' s current views for the future, and the Company does not herein express, imply, or warranty that the views are correct, complete, or reliable. The Company undertakes no obligation to update or revise the views, should there be any change or adjustment of them in future,



Agenda

Your Solutions Partner

- ◆ **Company Profile and Management Team**
- ◆ **Industrial Development and Market Layout**
- ◆ **Core Value and Competitive Advantage**
- ◆ **Management Performance**
- ◆ **Future Outlook**

ABOUT VSO

1994

One of the world 's leading cable manufacturers and assembly planning suppliers, with R&D and business marketing headquarters located in Taiwan

2008

Starts the transformation, from PC to industrial control, server and other industries

2016

Builds an intelligent factory (iFactory), becomes a model manufacturer of Industry 4.0, focuses on customized and diversified customer needs.

◆About VSO

The headquarters was established in Taipei in 1994, currently with a total of 1060 employees (as of March 2022, including Taiwan/China/Vietnam)

◆Business Group

[Cable Group]

Taipei (VSO Headquarters)

China (VSO Jian, Jiangxi Province; VSO Dongguan, Guangdong Province; VSO Suzhou, Jiangsu Province)

Vietnam (Bac Ninh/Viet Nam Hung Thanh)

[Optical Plastic Group]

Taipei(Link Upon)

China(Link Upon Kunshan/ Link-Upon Dongguan)

◆Main Products

Cable Group

Focusing on six industries, including industrial, Server & Storage, Medical, Automotive, Renewable Energy, and Telecom, namely iSMART.

Optical Plastic Group

Represents Mitsui Chemicals Group's High-Performance Optical Plastic.





VSO JIAN
(JiangXi Province)



VSO Suzhou
(Jiangsu Province)

Link Upon Kunshan



VSO Dongguan
(Guangdong Province)

Link Upon Dongguan



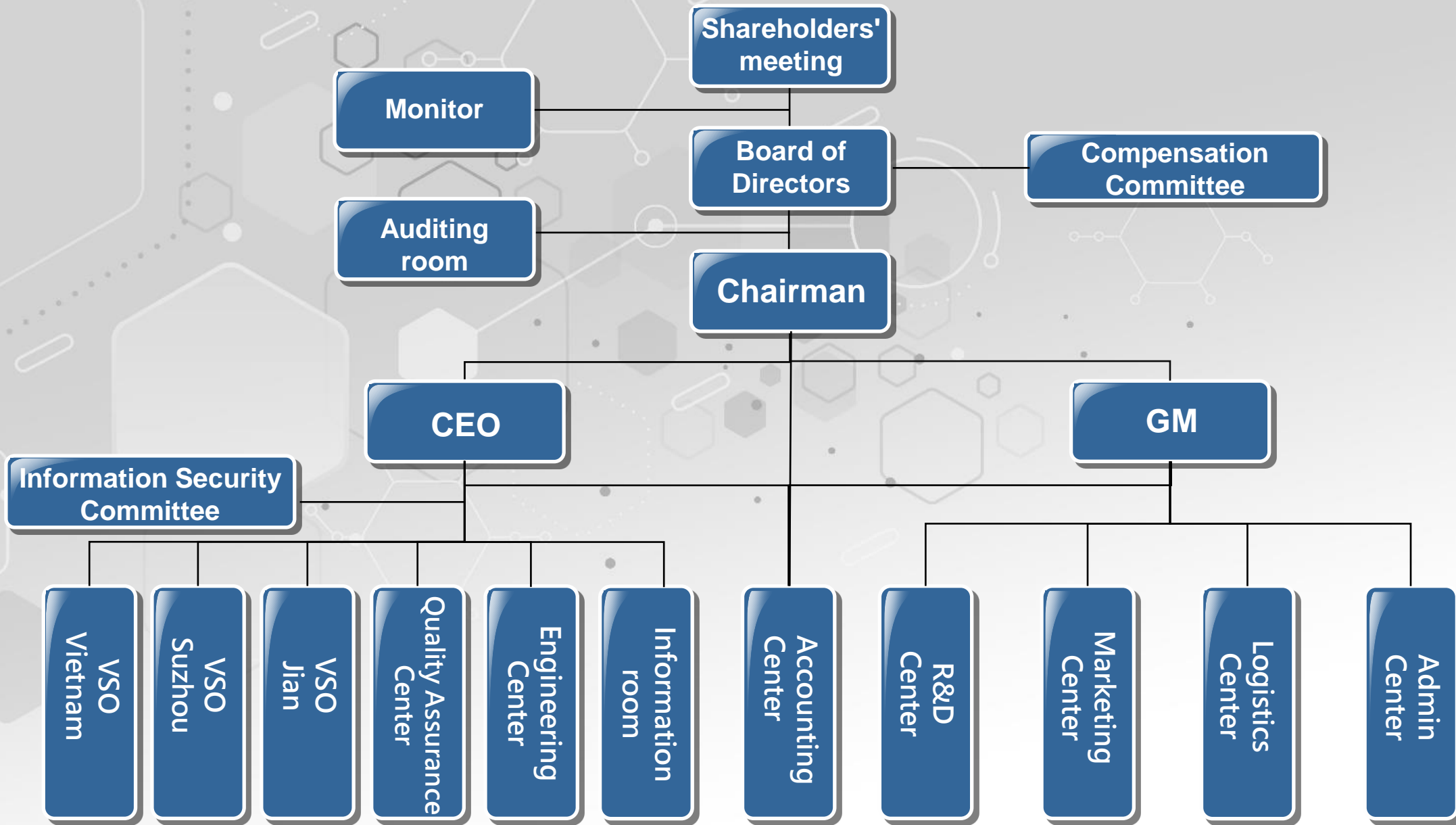
VSO Taipei
(Headquarters)



VSO Vietnam



Global Locations
VSO ELECTRONICS CO., LTD.



Job title	Name	Main study experience
Chairman	Jerry Chien	National Joint Engineering College Electronics Division
Director and CEO	Roger Tsai	Chairman of Dongguan HannStar Electronics Ltd. General Manager of HannStar Electronics Co., Ltd. Director of Walsin Lihwa Co., Ltd. Institute of Plastic Arts, National Taiwan University of Arts Department of Mechanical Engineering, Tamkang University
Director	Jian Zhong Mausoleum	Head of Asia Pacific Bonds at KGI Securities Deputy General Manager, Capital Markets Department, KGI Securities Manager of Bond Department, UOB Securities Department of Accounting, National Chengchi University
Director	Yuntuo Material Technology Co. Representative Tian Peifen	General Manager of Yuntuo Material Technology Co., Ltd. Institute of International Management, University of Sunderland, UK
Director	Advantech Investments (Shares) Company Representative Cai Shumei	Associate Director of Advantech Co., Ltd. Practice University Accounting and Statistics Department
Monitor	Weng Haiqing	General Manager of Guanquan Electronic Enterprise Co., Ltd. International Business and Electronics Division
Monitor	Guan Jianzhong	Senior Manager of Yuntuo International Co., Ltd. Institute of Financial Resource Management, School of Management, National Defense University

Job Title	Name	Education/Work Experience
General manager	Star Lin	Executive Master of Business Administration at National Taiwan University Graduated from the Department of Electronic Engineering, Feng Chia University Chief Marketing Officer of Hongzhi Electronics Co., Ltd. General Manager of Guangying Industrial Co., Ltd. Motorola Inc./Arris, Marketing Director, Asia Pacific
Ji An Hongcheng Deputy General Manager	Jackson Wuhan	Executive Master of Business Administration at National Central University (Cross- Strait Group) Graduated from the Industrial Management Department of Yadong College of Technology Deputy General Manager of Lihe Enterprise Co., Ltd. Senior Manager (Factory Director) of Elite Computer Co., Ltd.
Deputy General Manager of Vietnam Hongcheng	Steve Zhang	Graduated from the Department of Mechanical Engineering, Tamkang University Manager of Huyang Electronics Co., Ltd. Mingyi Enterprise Manager
Deputy General Manager of R&D	Jack Peng	Graduated from the Department of Electronics, Mingxin University of Science and Technology R&D Associate, Jianshun Electronics Manufacturing Co., Ltd. R&D Director, Foden Precision Industry Co., Ltd. R&D Director of Hongtai Electric Co., Ltd.
Deputy General Manager of Finance	Annie Chiu	Executive Master of Business Administration at National Chiao Tung University Graduated with a PhD in Business Administration from Nankai University, Tianjin, China Graduated from Tamkang University with a Master of Finance Chief Financial Officer of Yunchuang Communication Co., Ltd. Chief Financial Officer and Acting Spokesperson of Lianjia Optoelectronics Co., Ltd. Chief Financial Officer of Hongzhi Electronics Co., Ltd. Financial Manager and Acting Spokesperson of Hongzheng Automatic Technology Co., Ltd.
Chief Information Officer	Allen Zhuang	Master of Information Management, National Taiwan University of Science and Technology Director of Information Office of Yunlang Tourism Co., Ltd. Director of Operations Management, Wanbaohua Enterprise Management Co., Ltd. Manager of An Hou Jianye Accounting Firm System Manager, AIA Credit Card Co., Ltd.

Name	Economics Major (Education)	Currently holding positions in VSO
Qiu Huiqin	CEO of Lite-On Technology Co., Ltd.	/ Chief Strategy Officer of Ju Teng International Holdings Co., Ltd.
	Director of Honghui Industrial Co., Ltd.	Independent Director of Xinjin Enterprise Co., Ltd.
	/ CEO of Ju Teng International Holdings Limited	Director of Taiyang Solar Co., Ltd.
	Director of Longsheng Industrial Co., Ltd.	Group Consultant of Xiangyang Youneng Power Co., Ltd.
	Master of Industrial Engineering and Management, National Taipei University of Technology	
	Master of Finance (EMBA), National Taiwan University	
Xu Chongyuan	Professor and Head of the Accounting Department of Chengchi University	Adjunct Professor, Department of Accounting, National Chengchi University
	Partner of Liben Accounting Firm	Director of the Republic of China Securities Investment Trust and Consultant Business Association
	Director of OTC Trading Center	Independent Director of Tangshi Lighting Technology Co., Ltd.
	Consortium legal person securities investors and futures trading protection center supervisor	
	PhD in Accounting, University of Memphis, USA	
Lai Mingwei	Department of Accounting, National Chengchi University	Chief Financial Officer of Lingsheng Precision Industry Co., Ltd.
	Deputy Manager of Audit at KPMG	
	Dahua Securities Underwriting Department	

1998

Dongguan (China) Factory opened



2010

Ji-An (China) Factory launched



2015

Vietnam Factory established



1994

1998

2003

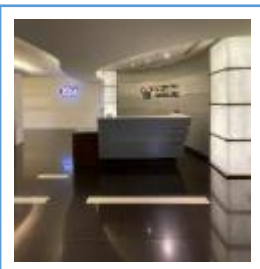
2010

2014

2015

1994

Company founded in Taipei



2003

Suzhou (China) Factory opened



2014

Ji-An (China) Factory expanded



2015

Yuntuo International established



2016

iProcess launched at Ji-An Factory



2018

*ISO 13485 & IATF 16949:2016 Certified
High & New Tech Enterprise Award*



2020

iFactory launched at Ji-An Factory



2016

2017

2018

2019

2020

2021

2017

ISO 9001 & 14001:2015 Certified



2019

Certified IPC Specialist



2020

Ji-An iFactory Completed





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Industrial Development Market Layout



Industrial • Server&Storage • Medical • Automotive • Renewable Energy • Telecom

Innovation Technology Service



In future, applications will be oriented towards the technical requirements of large bandwidth, high current, high transmission, high capacity, low latency and low power, and the Group will focus its resources mainly on the six industries, which are industrial, Server & Storage, Medical, Automotive, Renewable Energy, and Telecom, namely iSMART.



iSMART Industrial

INDUSTRIAL

**Power and Signal Cable
for AI FMS System**

**Power Cable for Multi-
functional Box PC**

**Signal Cable for
Embedded System**

**Signal Cable for
Embedded System**





iSMART Server & Storage

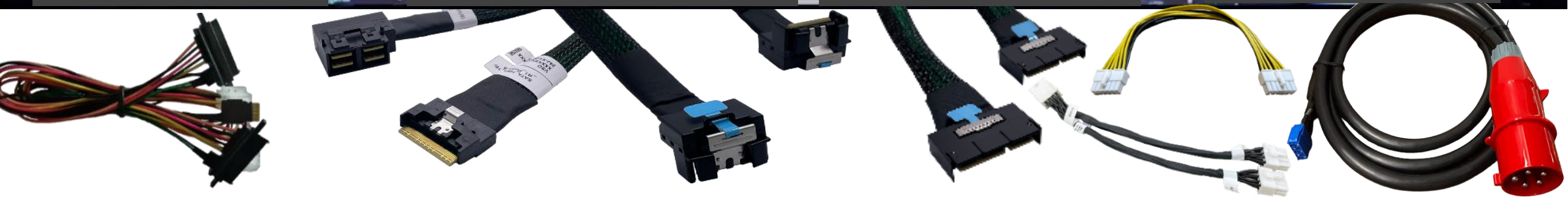
SERVER & STORAGE

High Speed
Cable_SAS/8639

High Speed Cable_
SlimSAS/ MCIO

High Speed
Cable_Gen Z

Power Cable



iSMART Medical



Cable for Endoscope Warmer System



Medical Device Sensor Cable



Durable Spring Cable



Cable for Brain Endoscope

iSMART Automotive

AUTOMOTIVE

Navigation/Display of
Truck Fleet/ OBD Cable

J1962 OBD2
Extension Cable

Cable for
infotainment system

Fakra Cable

Cable for AEB
system



iSMART Renewable Energy

RENEWABLE ENERGY

Terminal Block for
the Explosion-proof
Lamp of Oil Field

Airport Runway Guidance
Light Harness

Internal Electric Power
Transmission for EV Charger

Cable for EV
Charging Station





Small Cell

TELECOM

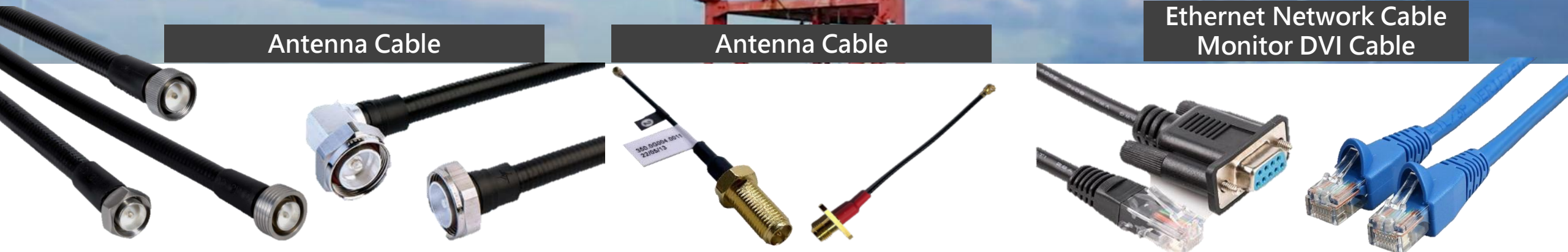


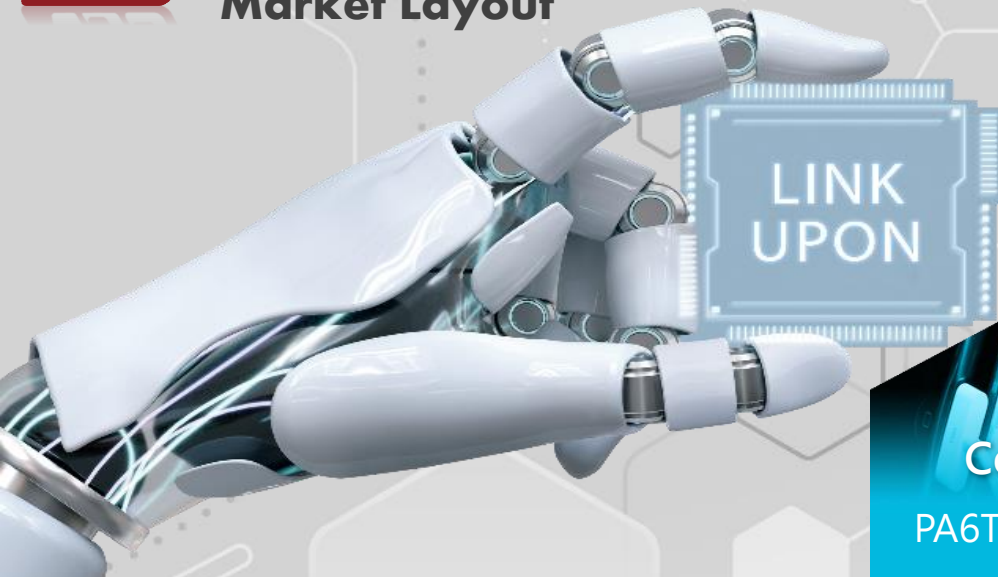
iSMART 5G/Telecom

Antenna Cable

Antenna Cable

Ethernet Network Cable
Monitor DVI Cable





Connector
PA6T、TPX、PES、
PPS、LCP

High Speed
TPX
m-COC

Panel Semiconductor
TPX、UHMW-PE、
PES、PPS

Medical & Food
PA6T、TPX、
UHMW-PE、PES、
LCP、CBC

Optical Industry
Lens：m-COC、TPX
Lens Barrel：PA6T、
PPS、LCP、PC

LED package
TPX (PMP)

Automotive & Aerospace
PA6T、UHMW-PE、
PES、PPS



High-Performance Optical Plastic

LINK UPON is the agent of Japan's Mitsui Chemicals, SOLVAY Group, and DIC Group, etc., distributing high-end engineering plastic raw materials, with customer base including well-known optoelectronics, connectors and other companies.

Materials are widely used in optoelectronics industry (mobile phone lens, AR/VR, etc.), connector industry, semiconductor industry, pneumatic tools for automobile and motorcycle industries and other markets.

In addition to rich experience in engineering plastic raw materials, we can also assist customers in product design, mold design, and injection molding processing conditions consultation.



Your Solutions Partner

Core Value Competitive Advantage

Connecting Your Future

Innovation Technology Service

Master Key Material and Technologies

Industry 4.0 Implementation

Diversified Product Portfolio

Globalized Manufacturing Bases





Raw Cable Plant

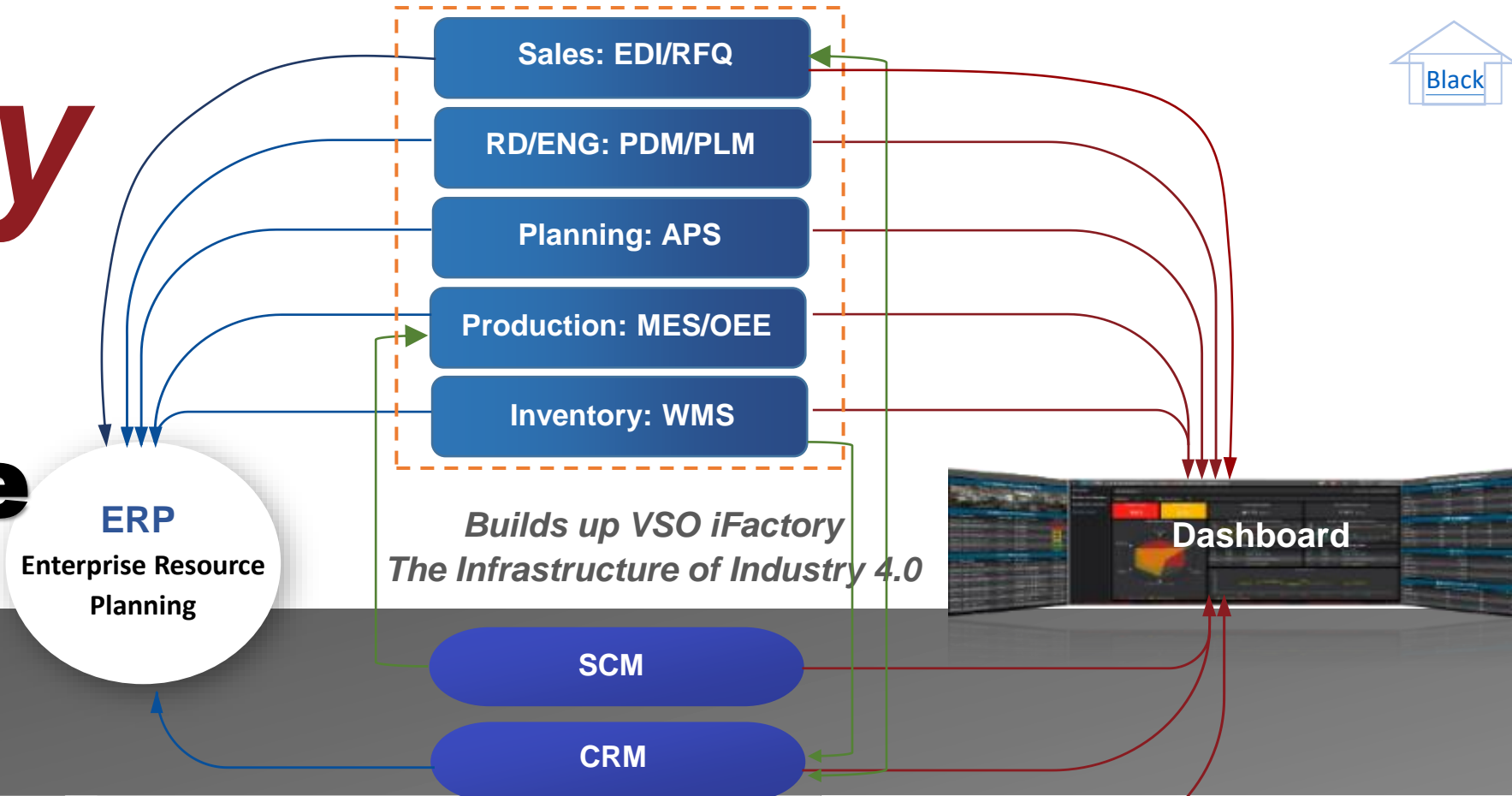
VSO cable extraction technology
can provide solutions to customers'
small/variety/customized needs





iFactory

High-Mix Low-Volume



The Great Shift of the World's Factory

No longer moving to the "lowest cost country", but focusing on customer needs.

The new global manufacturing model:
"customer-based manufacturing" and "quality manufacturing".





Your Solutions Partner

Management Performance

Connecting Your Future

Innovation Technology Service



Your Solutions Partner

VSO's business scope covers dozens of countries around the world, including the Americas, Europe, Asia Pacific and Greater China, providing global customers with the highest quality products and the most immediate localized services.

Consolidated Statements of Comprehensive Income

UNIT: KNTD

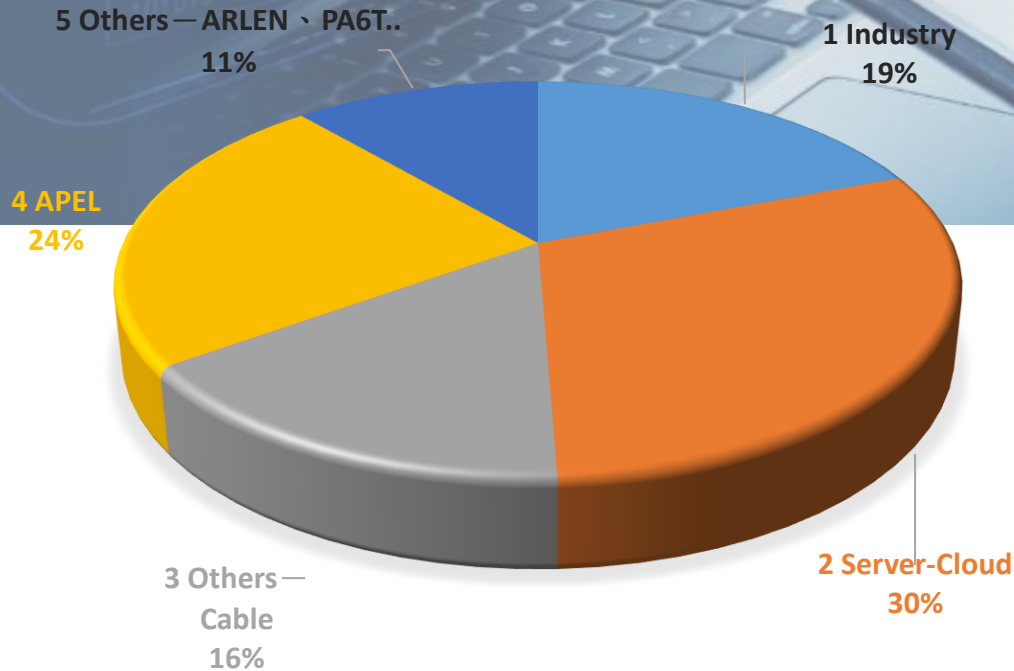
ITEM	YEAR	2019	2020	2021	2022/H1
	Net Sales		1,689,486	1,987,975	2,118,970
Gross Profit		339,806	445,831	490,334	362,541
Gross Profit Margin		20%	22%	23%	32%
Profit Attributable to Parent		47,980	101,237	106,801	146,529
After Tax EPS(NTD)		2.11	3.62	3.81(*)	4.54

*Calculated based on the number of shares at the end of the period, which was 28,000 thousand shares.

*The expenses of the five insurances and one housing fund in Mainland China during 2019 and 2021 were listed, with a total of NTD135 million.

Revenue Status

2022H1 REVENUE SHARE



NO	Product	2019年	2020年	2021年	2022年H1
1	Industrial	22%	20%	21%	19%
2	Server & Storage	3%	5%	11%	30%
3	Others-Cable	31%	25%	20%	16%
4	APEL	28%	36%	35%	24%
5	Others-ARLEN、PA6T..	16%	13%	13%	11%
	Total	100%	100%	100%	100%

Consolidated Balance Sheet

UNIT: KNTD

ITEM	2019	2020	2021	2022/H1
Cash & Equivalent	132,397	317,640	402,885	471,872
Accounts Receivable	677,096	510,081	540,516	659,340
Inventories	188,842	140,988	189,643	248,402
Property, Plant and Equipment	72,469	239,395	311,109	308,970
Total Assets	1,197,101	1,286,249	1,514,986	1,828,512
Borrowings	304,033	120,936	131,938	174,165
Total Liabilities	812,307	666,058	809,463	936,794
Common Stock	227,477	280,000	280,000	334,000
Total Equity	384,794	620,191	705,523	891,718
Net Worth Per Share(NTD)	13.74	22.15	25.20	26.70

Key Financials

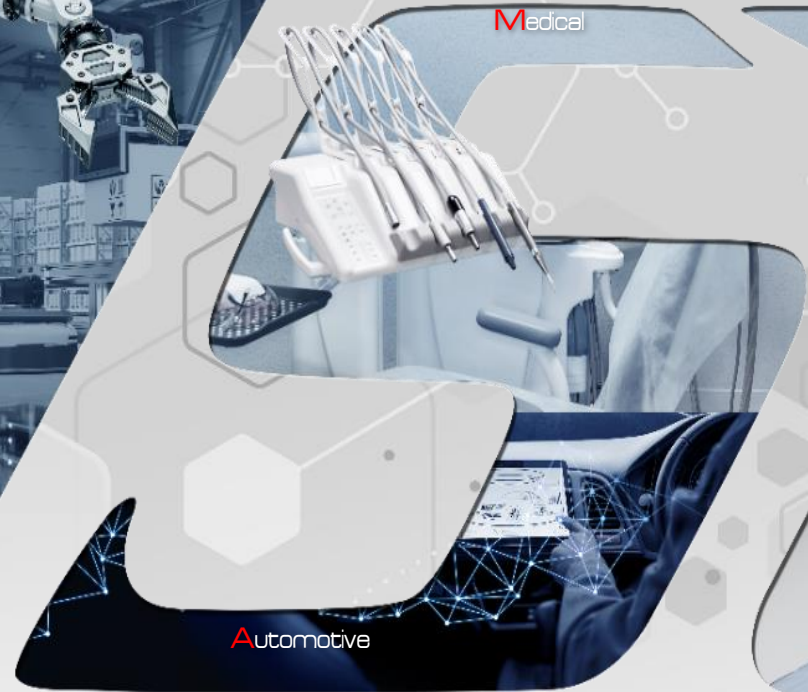
Key Financials	2019	2020	2021	2022/H1	Remarks
Liability to Asset Ratio	67.86	51.78	53.43	51.23	Solid financial structure
Current Ratio	142.47	174.17	165.62	170.18	
AR Turnover Days	135	109	90	98	Operating ability getting better every year
Inventory Turnover Days	45	39	37	53	
AP Turnover Days	74	66	65	81	
Cash Conversion Cycle	106	82	63	69	
Return on Total Assets	6.31	10.69	10.78	9.57	Good profit and return
Return on Shareholder's Equity	16.27	25.66	22.09	19.77	

Industrial

```
selected" + str(modifier_ob)) # modifier
server_ob.select = 0
context.selected.objects[0]
```



Server / Storage



Medical

Automotive



Telecom

Renewable Energy

Future Outlook

Connecting Your Future



Your Solutions Partner

Product Roadmap

PC/ Industrial / Server

Computer peripherals
E-sports super running host
Barcode scanner
Industrial computer
Antenna cable/Module
Industrial switchboards
Cable for Server

Completed

Cloud / Medical / Automotive

Autopilot
Cloud data center
Sensor/Security system
Smart Express Cabinet
Truck Fleet Management
Medical equipment

Processing

Semiconductors / Telecom / Electric Vehicles

5G communication base station
Semiconductor equipment
Electric vehicle wiring harness
Electric vehicle charging pile
Marine wiring harness

Short term

Renewable Energy / Military / Aerospace

Optical fiber for cloud
Solar power harness
Wind energy harness
Aerospace harness
Satellite harness

Long-term

ESG

Environment
Social
Governance

A large area of solar panels was built to independently supply 21% of the factory's

electricity
**Protecting
environment**

**Giving back
to society**

**Sustainable
development**

Environment



- Solar power takes up 21% of power supply.
- Exhaust emissions are treated by activated carbon adsorption and UV photolysis machine.
- The range hood is processed and discharged by the range hood.
- The domestic sewage and rainwater are separated, and the domestic sewage is treated by the wastewater treatment plant in the park.
- Reduces electricity consumption with air energy water heaters.
- Carries out garbage classification and recycling of renewable resources; domestic garbage is sent to the collection station in the park, and then cleared and transported by Weiming Environmental Protection Company for incineration for power generation.
- Hazardous waste is classified and managed in the hazardous goods warehouse and recycled by qualified recycling manufacturers.
- Recycling and remanufacturing of production leftovers.
- The use of environmentally friendly materials in product design.
- Increases green planting.

E
ENVIRONMENTAL

S
SOCIAL

G
GOVERNANCE



Content	Descriptions	Complete time
ISO 14064-1 Carbon Inspection Coaching	SGS tutoring has been selected, to be implemented in October 2022.	2022/12/31
Factory carbon emission third-party certification	SGS has been selected as the third-party verification unit.	2023/1/15
Inventory and replacement plan for high energy-consuming equipment	It is planned to replace old and high-energy-consuming equipment in 3-5 years.	2022/10/10
Replacing high-energy-consuming air compressors	Using the new variable frequency air compressor.	Done
Using EHS System to monitor electricity consumption	Using 9 smart meters to monitor about 70% of electricity consumption. Reviewing energy saving measures.	Ongoing
New energy vehicle freight assessment	From 2023, one new energy vehicle will carry short-haul cargo in Suzhou and Dongguan.	2022/10/10
Forest carbon rights trading assessment	Carbon Emissions Trading Center has VCS and CCER trading mechanisms.	2022/9/30



**Material + Smart + Integrated
application Manufacturing Marketing**

Your Solutions Partner



EΥΧΑΡΙΣΤΩ TÄNAN HVALA GRACIAS DZIĘKUJĘ
GRAZIE ありがとう MERCI TACK

THANK YOU DIAKUIU
PALDIES

ACIU TACK DANKE DANK U WEL ДЗЯКУЮ
СПАСИБО 谢谢 OBRIGADO diolch KIITOS
TESEKKUR EDERIM



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