



Lien Chang Electronic Enterprise Co., Ltd.

2022 H1 Investor Conference

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聯昌電子企業股份有限公司
LIEN CHANG ELECTRONIC ENTERPRISE CO., LTD.

Safe Harbor Statement

This Presentation contains certain forward-looking statements that are based on current expectations and are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements.

Except as required by law, we undertake no obligation to update any forward – looking statements, whether as a result of new information, future events or otherwise.

History of Lien Chang

1968	Established in Taipei, Taiwan, with the products of coil, deflection-yoke and fly-back transformer of CRT-monitor ◦
1983	Cooperated and invested with TECO to produce research and develop Flyback Transformer and Deflection Yoke(DY) of the Monochrome monitor.
1996	Set up factory in Dongguan, PR China ◦
1997	Listed in public stock-board of Taiwan ◦
1998	Started RD for power-product of LCD-products ◦
1999	Set up factory in Suzhou, PR China ◦
2000	Listed in TWSE of Taiwan ◦
2011	2nd stage factory of Suzhou was completed ◦
2013	Taipei headquarter moved from Hsin Chuang Dist. To Neihu Dist. ◦
2016	Expand R&D team and dedicate into household appliance manufacturing. Product line includes control board and power board of Air conditioner, Refrigerator and so on for white goods
2017	Factory passed IATF16949 certification and starts to develop air conditioners , refrigerators for new energy vehicles.
2018	Launch power board of Signage TV
2019	Launch control board Semiconductor thermal test equipment
2021	Step into Electrification Product field and ECM control board of Industrial DC motor.
2022	Development and sales of TYPE C PD Fast Charger , and promotion of 2W/3W EV Motor+Controller ◦

GENMAO (Suzhou) Factory Introduction



Land Area: 46,666 m²

Factory 1: 10,240 m²

Factory 2: 15,008 m²

Employee : 700 People

Lien Chang Operation Directions

- A. Following the 3 directions as below to develop: Power + Driver as the technical core to develop new ODM products in the future.
- ◆ Power : European Union forces the adaption of the connector standard · Type-C chargers will become mainstream products
 - To develop series products with Type C fast charging function (such as: PD Charger with single port or multi ports 、 E-Bike PD Charger 、 extension cord with fast charging outlets 、 Wall-mounted sockets/outlets, etc.
Sales area: Taiwan 、 America 、 Europe 、 South Korea, and other regionals °
 - ◆ Driver : Based on the current technologies to develop following products as below:
 - Based on the control technology of inverter compressor, expand aggressively low-temperature equipment for industrial use and semiconductor applications with high gross profit.
 - To co-operate with TECO EV Power Train Business in India, it has started the driver development of EV(2W/3W) power modules, and entered India electrical scooter market with EV motors. Production plant can be established in India in the future to support the development of TECO EV Power Train Business.
- B. OEM of new energy automotive related products °

Charging Products Road Map

應用

Display



Note Book
Tablet/Mobile
Phone



Tablet、Mobile Phone
Wall-mounted
sockets/outlets



Tablet、Mobile Phone
Gaming laptop
E-Bike
Car Charger



產品



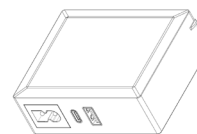
2012Y~
16W~140W
Adaptor



2018Y~
30W~65W
Single Port
Type-C PD
Charger



2021Y
12W、20W Power
Extension Cord、Outlet
3 Ports 65W
PD/GaN Charger



2022Y
65W Multi-Ports
100W PD/GaN Charger
150W E-Bike Charger

2023Y
240W
Car Charger、Machine
Tool etc. PD/GaN
Application

BLDC Motor Control / Driver Products



**Air Condition
Refrigerator**

**2009Y
Control /
Driver board**



**Air Cleaner
Humidifier
Air circulation fan
DC fan**

**2017Y
DC Control /
Driver
board**



**Semiconducting
Temperature Test
System**

**2017~2018Y
Frequency
Conversion Driver**



**Portable Fridge
Fishing Waterwheel
Electronic Bed / Sofa**

**2018~2019Y
Control / Driver
board**



**3HP ECM
Motor
Low Voltage
Inverter**

**2021Y
Control /
Driver board**



**2W/3W
Motor& Driver**

**2022Y
2W/3W
EV Motor**

Automotive Products OEM

Car lights Products



**Automotive Lamp
OEM
Noise Board OEM
BMS OEM**



**2017Y
Cut into China
Supply Chain**



**2018Y
Cut into Japan
Supply Chain**



**2021Y~
Taiwanese
Customers
Developing now**

Controller



**Automotive
Fridge
of
Original
Equipment
Market**



**2017Y
Cut into China
Supply Chain**

Consolidated Statements of Comprehensive Income

In Thousands of New Taiwan Dollars

項目	For the six-months periods ended June 30,				Difference	
	2022		2021			
	Amount	%	Amount	%	Amount	%
Operating revenues	520,663	100.0	867,814	100.0	(347,151)	(40.0)
Operating costs	486,864	93.5	793,901	91.5	(307,037)	(38.7)
Gross profit	33,799	6.5	73,913	8.5	(40,114)	(54.3)
Operating expense	79,860	15.3	112,114	12.9	(32,254)	(28.8)
Operating income	(46,061)	(8.8)	(38,201)	(4.4)	(7,860)	(20.6)
Non-Operating income and expense	42,393	8.1	257,505	29.7	(215,112)	(83.5)
Income before income tax	(3,668)	(0.7)	219,304	25.3	(222,972)	(101.7)
Net income	(6,063)	(1.2)	154,913	17.9	(160,976)	(103.9)
EPS(NT\$)	(0.05)		1.40		(1.45)	



Thank you!