



Lelon Electronics Corp. | TWSE 2472

Quality · Service · Innovation · Responsibility

Company Profile

2024



Introduction of Lelon



T.C. Wu
Founder



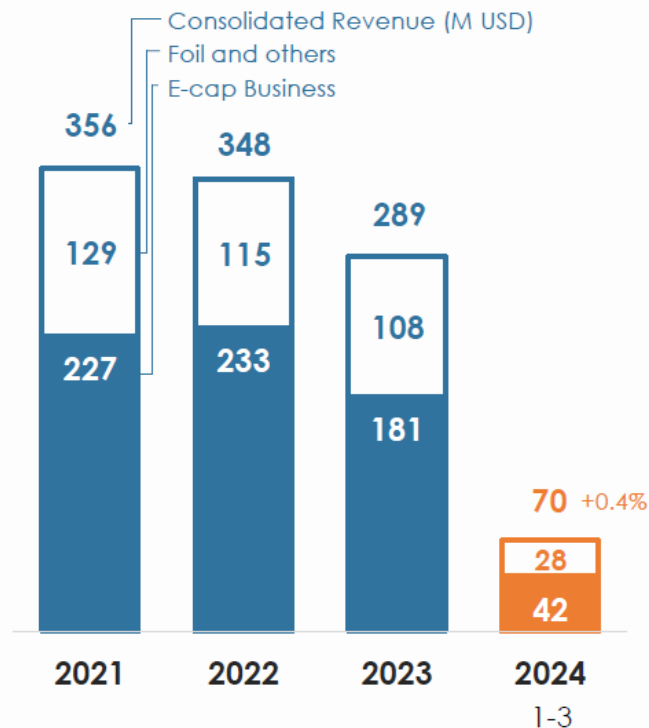
Jimmy Wu
Chairman/CEO

- ❑ Established in 1976 in Taiwan
- ❑ Capital: NTD 1.64B (USD 53M)
- ❑ Employees: 2,159
- ❑ Total Capacity: 608M pcs/month
 - Aluminum e-caps, Hybrid caps, Polymer caps
 - Listed company on Taiwan Stock Exchange since 2001 (TWSE 2472)
- ❑ IATF-16949 certified
- ❑ E-cap solutions for high-end application
 - Automotive Electronics
 - Telecom/Network
 - Cloud Computing
 - Power Electronics

Financial Highlights

US\$ Million

	2023	2024 (1-3)
Consolidated Revenue	289	70
e-cap business	181	42
foil and others	108	28
YoY Growth	-17%	+0.4%
% of Sales		
e-cap business	63%	60%
foil and others	37%	40%



Lelon Group

❑ E-caps Business



Lelon Electronics / Taiwan Headquarter

Established in 1976
TWSE: 2472



Lelon Electronics / Huizhou

Established in 1996

- Aluminum E-caps,
Polymer/Hybrid Capacitors



Lelon Electronics / Suzhou I

Established in 1999

- Aluminum E-caps



Lelon Electronics / Suzhou II

Established in 2021

- Aluminum E-caps

❑ Aluminum Foil Business



Liton Technology Corp.

Taiwan & China
Established in 1993
TPEX: 6175

- Etched/Formed Aluminum Foil

❑ Machinery Business



Lifu Machinery Co., Ltd.

Taiwan
Established in 1990

- Manufacturing Equipment

Human Resources



Personnel	Taiwan	Huizhou	Suzhou	Total
Direct	5	854	755	1,614
In-Direct	112	247	186	545
Total	117	1,101	941	2,159

Section	Taiwan	Huizhou	Suzhou	Total
QA	4	134	98	236
R&D	17	39	31	87

* Data: End of Mar. 2024

Research & Development



Core Technology Development

- ❑ In-House R&D Teams
- ❑ Japanese Consultants
- ❑ Joint Development with ITRI (Industrial Technology Research Institute of Taiwan)
- ❑ Joint Development with Material Suppliers
- ❑ Joint Development with Customers

Patent Registration Region	Patent Quantity
Taiwan	9
China	9
Japan	5
Germany	3
USA	1

Quality System

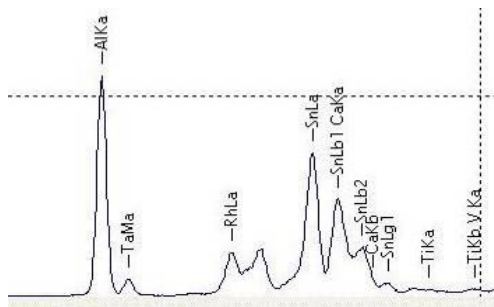
Facility	IATF-16949	ISO-9001	ISO-14001	QC080000	ISO-45001
Taiwan	√	√	√	√	√
Huizhou	√	√	√	√	√
Suzhou	√	√	√	√	√



Green Products

Sustainable Environment for Quality of Life

- ISO-14001/QC080000
- RoHS Compliance
- REACH Compliance
- Halogen Free*



EDX Test Report

* For details about halogen-free products, please contact with us.



Achieving Carbon Neutrality

Build ESG program



Energy Saving

- Using LED lighting and variable frequency devices like air conditioner and air compressor
- Implementing photovoltaic power generation in Suzhou and Huizhou factory
- Suzhou new factory will have an intelligent energy management system



Reducing Fossil Fuels Consumption

- Air compressor heat recovery system provide heated water used in production and living



Planting Trees

- Support the promotion of planting trees and protecting forests



Waste Management

- Reusing packaging materials such as pallets
- Sewage treatment system

Automotive Electronics



IATF-16949

Strict Reliability Tests for Safety

- ❑ IATF-16949
- ❑ AEC-Q200 Reliability Test Capability



Shock Test



3D Vibration Test



Temperature Cycle Test

GM Supplier Award



Aptiv Supplier Award



The image shows a framed 'Certificate of Recognition' and a tall, narrow trophy. The certificate is titled 'Certificate of Recognition' and 'Best Quality Improvement Award'. The trophy is a tall, narrow box with 'APTIV' and 'Best Quality Improvement Award' printed on it, and it is filled with small, colorful objects. The background is dark with a red light effect.

Best Quality Improvement Award - Lelon Suzhou

Achievement

- APTIV is **1st automotive customer** for Lelon
- Achieved **ZERO DEFECT** since 2021
- **Good Feedback** from other competency with fast response

• APTIV •

New Material Sourcing and Testing

Ensuring a Steady Supply of Key Materials

- ❑ Sourcing New Suppliers, Especially in China
- ❑ Complete Tests of Material Characteristics
- ❑ Suitable Material Selection in Design
- ❑ Process Optimization
- ❑ Strict Reliability Verification



Product Lines

Aluminum Electrolytic Capacitors

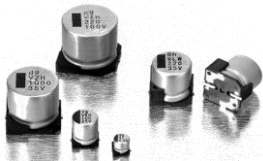
Capacitors

Radial



- Low ESR
- High Reliability
- 4V ~ 500V
- 10,000hrs (105°C)
- 3,000hrs (130°C)
- 1,000hrs (150°C)

SMD (V-chip)



- Low ESR
- Anti-vibration Structure (up to 50G)
- 4V ~ 450V
- 10,000hrs (105°C)
- 5,000hrs (125°C)
- 1,000hrs (150°C)

Snap-in Screw



- Snap-in
 - Flame Retardant
 - Nano Coating
 - 7,000hrs (105°C)
- Screw
 - Up to 525V
 - 20,000hrs (85°C)

Axial



- High Ripple Current
- Low ESR
- 25V ~ 100V
- 10,000hrs (125°C)
- 2,000hrs (150°C)

Hybrid Capacitors

Capacitors

Radial SMD



Conductive Polymer
Hybrid Capacitors

- ESR Similar to Polymer Capacitor
- LC Equal to Aluminum Electrolytic
- 16V ~ 100V
- 10,000hrs (105°C)
- 4,000hrs (135°C)
- 2,000hrs (145°C)
- 1,000hrs (150°C)

Polymer Capacitors

Capacitors

Radial SMD



Organic Conductive
Polymer Capacitors

- Solid Element
- No Electrolyte
- Ultra Low ESR
- High Ripple Current
- High Reliability
- 2.5V ~ 35V
- 20,000hrs (105°C)
- 2,000hrs (125°C)

Capacity



Million pcs/Month

Facility	E-cap			Hybrid	Polymer	Total
	Radial	SMD	Snap-in Screw	Radial SMD	Radial SMD	
Huizhou	130	120	4	15	70	339
Suzhou	20	40	1			61
Technology (Suzhou)	50	140	3	5	10	208
Total	200	300	8	20	80	608

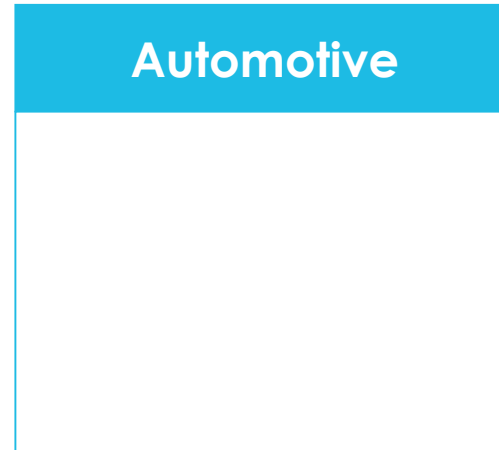
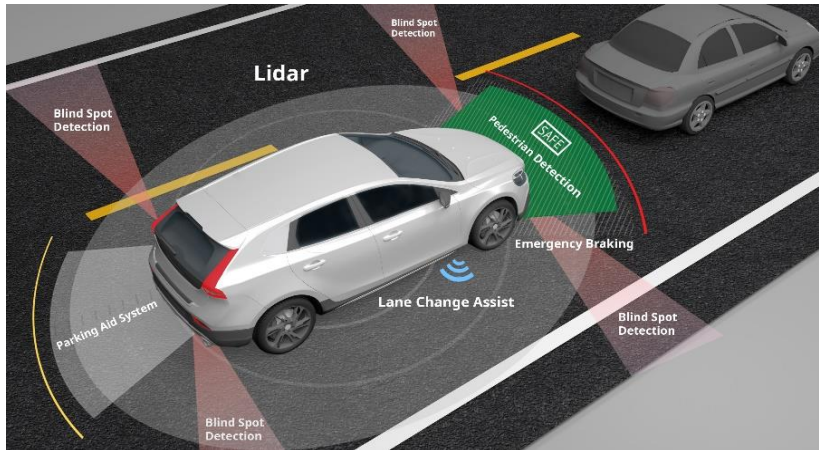
Customers - 1



Telecom & Network



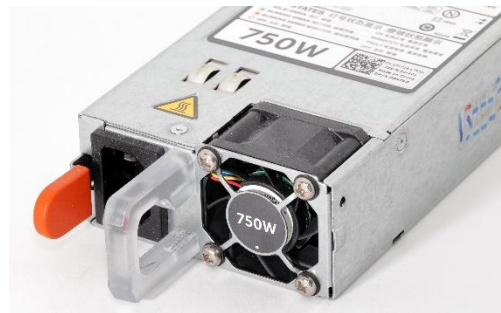
Customers - 2



Customers - 3



Power & Green Energy



Customers - 4



CE & Appliances



Customers - 5



Industrial



Medical/Security

Customers - 6



IT & Cloud

The Competence of Lelon



Business

- 48-year Experience in Aluminum E-cap
- Listed Company & Solid Financial Capabilities

Capacity

- 608 Million pcs/month
- Major Manufacturer for V-chip (E-cap, Polymer, Hybrid)

Cost

- Economic Scale & Systemized Management
- Advantages in Foil Cost

Technology

- V-chip Hybrid
- 20,000hr-life for V-chip Polymer
- Patent on Flame Retardant Capacitor

Quality

- IATF-16949 System & RoHS Compliance
- Sufficient Foil Withstand Voltage in Design

Service

- Flexible Lead-time
- Global Logistic Capabilities



Your Best Partner.