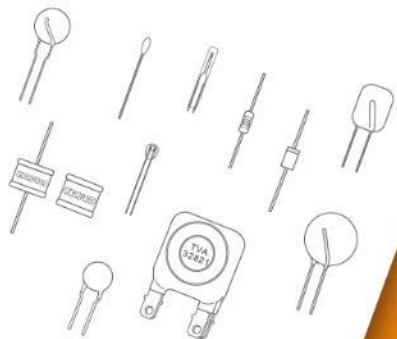




# THINKING

## Investor Conference



# Corporate Introduction



**45** years

of experience in protective component industry



**7** manufacturing sites

with continuous expansion



**4200** employees

in THINKING Electronic Group



**10** product categories

for overall circuit protection



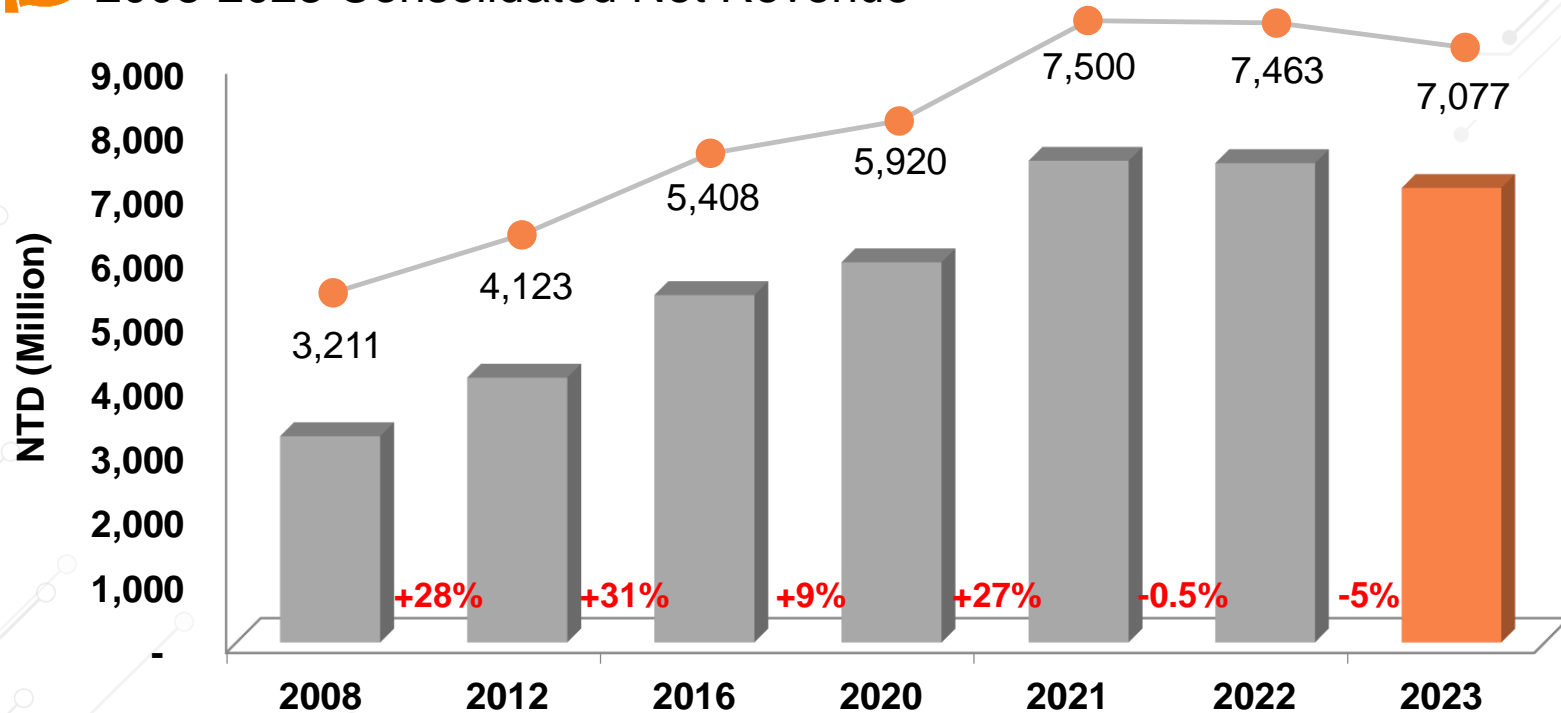
**26** countries

of sales support for global service

# Company Introduction

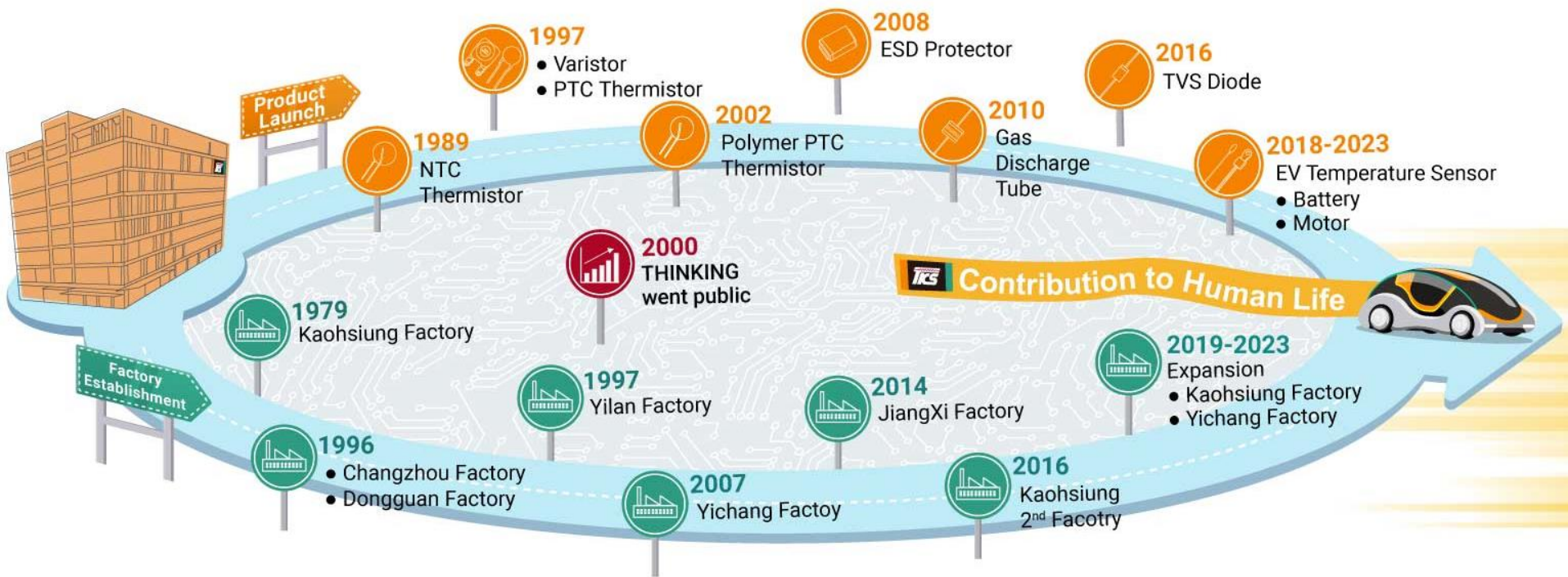


## 2008-2023 Consolidated Net Revenue



\* Using an exchange rate of 1 USD = 30.77 NTD

# Milestone



# THINKING Factories





# THINKING Products



## Over-Temperature Protection

NTC Thermistor



PTC Thermistor



Temperature Sensor for General Purpose



Temperature Sensor for Electric Vehicle



Temperature Sensor for White Goods



Temperature Sensor for Small Home Appliance



## Over-Current Protection

NTC ICL



PTC Thermistor



Polymer PTC Resettable Fuse



## Over-Voltage Protection

Varistor



Gas Discharge Tube



ESD Protection



TVS Diode



Spark Gap Protector



Thyristor Surge Suppressor



# Quarterly Consolidated Income Statement



## Operation Overview : Quarterly Consolidated Income Statement

NT\$ Thousand

Item	2Q 2024	1Q 2024	2Q 2023	QoQ	YoY
Net sales	1,949,789	1,561,384	1,816,449	24.9%	7.3%
Gross profit margin	41.28	40.77	36.11	0.51	5.17
Operating expenses	322,555	267,060	297,300	20.8%	8.5%
Operating expenses ratio	16.54	17.10	16.37	-0.56	0.18
Net operating income	482,366	369,569	358,672	30.5%	34.5%
Operating profit margin	24.74	23.67	19.75	1.07	4.99
Non-operating income and expenses	119,227	66,893	44,868	78.2%	165.7%
Net profit	437,327	329,676	313,041	32.7%	39.7%
Net profit margin	22.43	21.11	17.23	1.32	5.20
Earning per share (NTD)	3.41	2.6	2.43	0.81	0.98

# Quarterly Balance Sheet



NT\$ Thousand

Item	2024.6.30	%	2024.03.31	2023.6.30
Cash and cash equivalents	3,003,534	19%	3,055,026	3,706,555
Accounts receivable	2,832,375	18%	2,382,915	2,288,752
Inventories	1,470,721	9%	1,338,961	1,334,792
<b>Current assets</b>	<b>9,669,529</b>	<b>61%</b>	<b>8,562,107</b>	<b>8,629,834</b>
<b>Current Ratio</b>	<b>300%</b>		<b>440%</b>	<b>410%</b>
Fixed assets	3,892,170	25%	3,792,096	3,584,033
<b>Non-current assets</b>	<b>6,067,275</b>	<b>39%</b>	<b>5,984,793</b>	<b>4,881,560</b>
<b>Total assets</b>	<b>15,736,804</b>	<b>100%</b>	<b>14,546,900</b>	<b>13,511,394</b>
Short-term borrowings	681,620	4%	531,620	100,289
Account payable	891,348	6%	553,481	377,941
Other account payable	710,852	5%	620,387	652,467
<b>Current liabilities</b>	<b>3,219,225</b>	<b>20%</b>	<b>1,947,475</b>	<b>2,104,485</b>
Long-term borrowings	730,075	5%	771,788	1,086,539
<b>Non-current liabilities</b>	<b>2,571,024</b>	<b>16%</b>	<b>2,524,487</b>	<b>2,665,090</b>
<b>Total liabilities</b>	<b>5,790,249</b>	<b>37%</b>	<b>4,471,962</b>	<b>4,769,575</b>
<b>Debt Ratio</b>	<b>37%</b>		<b>31%</b>	<b>35%</b>
<b>Total equity</b>	<b>9,946,555</b>	<b>63%</b>	<b>10,074,938</b>	<b>8,741,819</b>



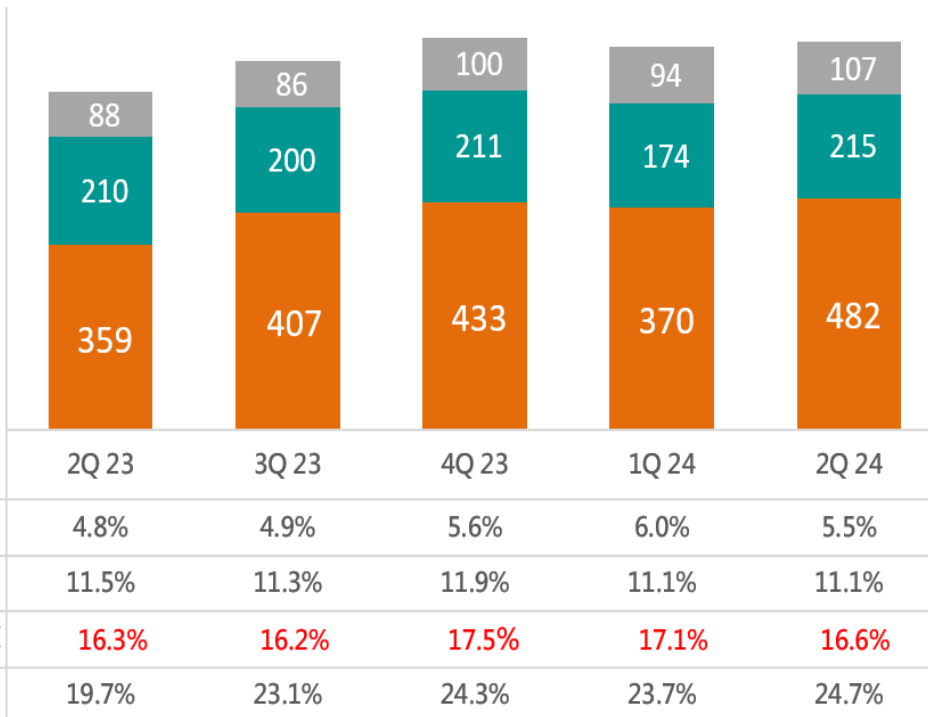
# Analysis of Operating Expenses



## Operation Overview : Analysis of Operating Expenses

NT\$ million  
新台幣百萬元

- 營業淨利 OPM
- 銷管費用 SG&A
- 研發費用 R&D

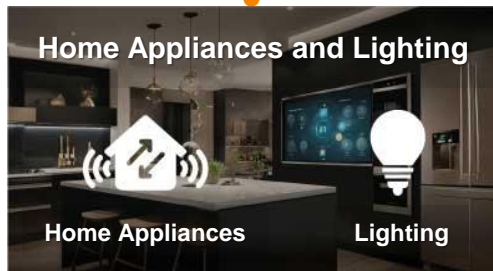
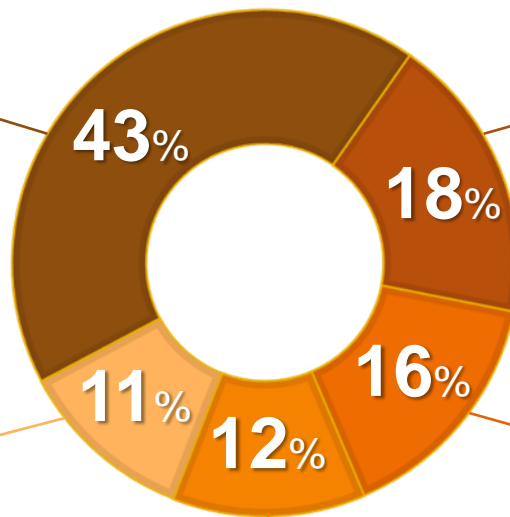


	YoY	QoQ
R&D 研發費用	0.7%	-0.5%
SG&A 銷管費用	-0.4%	0.0%
OPEX 總營業費用	0.3%	-0.5%
OP 營業淨利	5.0%	1.0%

# MARKETS



# Major Markets



# MANAGEMENT SYSTEMS





# Certification of Management System



ISO 9001-2015  
IATF 16949-2016  
QC 080000-2017

**Quality Management  
System**



ISO 45001-2018

**Health and Safety  
Management System**



RBA Gold Status






















**Responsible Business  
Alliance Code of  
Conduct**




ISO 14001-2015  
ISO 14064-1:2006  
(Greenhouse Gas Verification Statement)  
PAS 2050:2008  
(Product Carbon Footprint Verification Statement/  
Verified Product: TSM0402)

**Environmental  
Management  
System**

# Agency Approval of Product

NTC Thermistor	NTC Temperature Sensor	PTC Thermistor	Polymer PTC Thermistor	Varistor	TVS Diode	Gas Discharge Tube
						
						
						
						
						

Note:  is for UL + cUL



# THINKING ESG

## ENVIRONMENTAL



**3084.4 kWp**  
cumulative solar panel  
capacity installed at  
THINKING sites

**7%** reduction in  
GHG emissions  
FY2021 to FY2022

THINKING Yichang Factory

- Green product
- Green production
- Green supply chain
- Increase the use of renewable energy

## SOCIAL

- Support the promotional events of reading and e-bookstore projects of Kaohsiung City
- Employees participate in beach clean-up and tree-planting initiatives to contribute to ecosystem restoration



Adhering to the RBA code of conduct, we uphold **labor rights**, ensure **health and safety**, protect the **environment**, conduct business with high **ethical standards**, and establish our **management systems**

## GOVERNANCE

# THINKING ESG



## CHAPTER 0 關於本報告書

### ■ 關於本報告書

#### ■ 編纂說明

##### ■ 報告概要

本報告書詳實介紹興勤電子工業股份有限公司（以下簡稱興勤電子或本公司）履行企業公民責任，針對公司治理、永續經營與供應鏈、綠色生產與環保、產品創新發展、友善與健康安全職場以及社區共榮等領域所有積極從事之作為。

##### ■ 發行期間

- 本報告書固定每年 1 次，本報告書發行時亦將同時公告於公司官網。
- 首次發行時間：2024 年 8 月發行
- 預計下一次發行時間：2025 年 8 月

##### ■ 報告邊界

本報告內容所蒐資料涵蓋興勤電子（楊梓康、宜蘭元耀康、常州康、東莞康、宜昌康及江西康），以及興勤電子關係企業與組織外的客戶、供應商及投資者的相關重大性主題。財務數據來源經動聯眾信聯合會計師事務所查核後公開發表，財務績效數字與財務合併報表揭露範圍一致，並以新臺幣為計算基準，環境節能減碳數據亦以國際通用單位為基準，並以一般慣用文字、數值的描述方式呈現。

##### ■ 報告依據

1. 本報告書係依據全球永續性標準理事會（Global Sustainability Standards Board, GSSB）所發布之 GRI 準則（GRI Standards）編撰。
2. 本報告書所揭露之數據來自本公司自行統計及調查結果，部分經由第三公正單位查驗。

##### ■ 聯繫方式

- 興勤電子工業股份有限公司 公司治理單位
- 地址：高雄市長安區大福一路 93 號 8 樓
- 電話：+886 7-5537560
- 電子郵件：ir@thinking.com.tw
- 公司網站：www.thinking.com.tw

##### ■ 資料品質管理 - 內部流程

- 內部確認：由推動小組、部門主管確認後由總經理確認後，經董事會核准後發行。
- 外部確認：經獨立查驗聯合會計師事務所依委任事則 3000 號 (TWSE3000) 出具有限確信報告

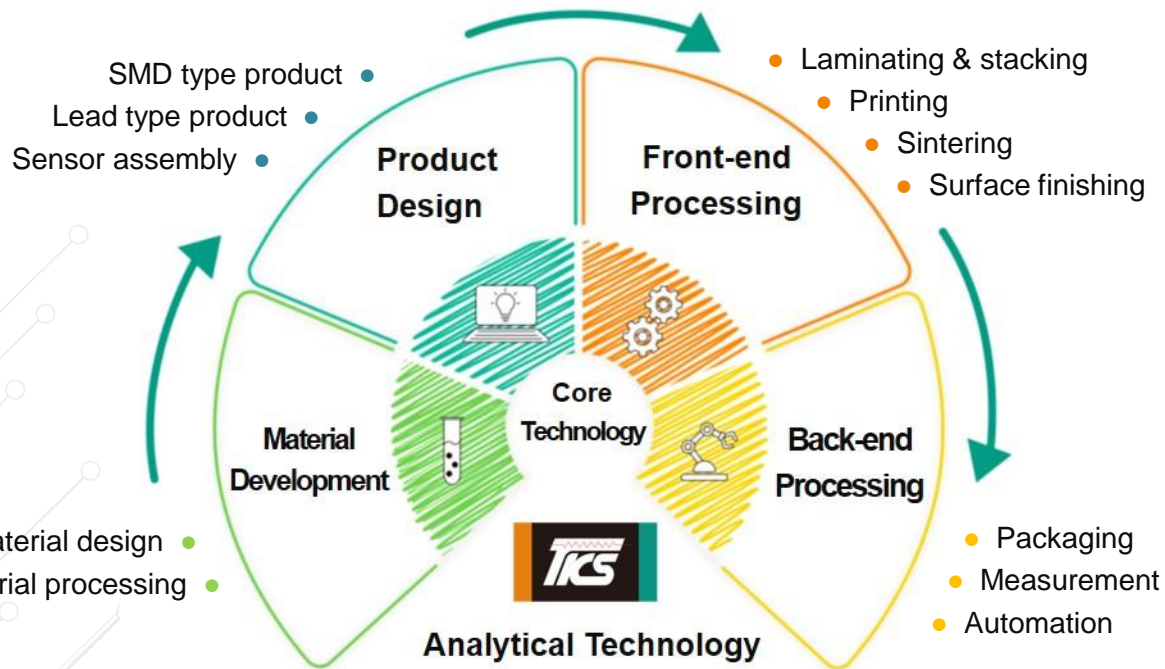
##### 資料彙整

類別	內容	驗證 / 審核 / 查核
經濟	財務數據	動聯眾信聯合會計師事務所
	溫室氣體排放量 ISO14064-1	台灣檢驗科技股份有限公司
環境	環境管理國際標準 ISO14001	各工廠個別通過第三單位查核
	有害物質過程管理系統 ISO 080000	
社會	職業安全衛生管理系統 ISO 45001	各工廠個別通過第三單位查核

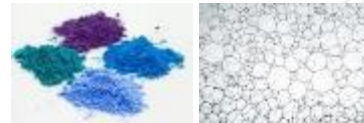
# COMPETITIVE STRENGTH



# Core Technology

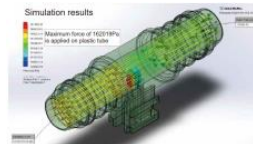


## Material Development



Our know-how of key raw material and ceramic recipes make our products competitive in the market

## Product Design



Our simulation technology ensures our precise product design

## Back-end Processing



Automated production ensures our stable product quality



# UL and TUV Certified Laboratories



Laboratories of THINKING passed the CTDTP (Client Test Data Program) of UL and witness testing qualification of TUV, and they provide the following advantages.

- International laboratory management is based on **ISO 17025**
- Testing equipment and technicians **are aligned with those of approval agencies**, offering reliable test results
- In-house testing of THINKING products **shortens certification process** and **accelerates customer's new product launch**



# Technical Support

## TECHNICAL CONSULTATION



THINKING AE discusses technical problems and shares application experience with customers



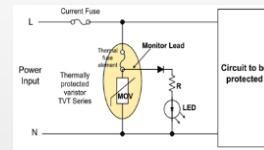
application examples

## COMPREHENSIVE TECHNICAL SUPPORT

## EXPERT DESIGN CONSULTATION



AE discusses circuit design with customers



## PRODUCT SELECTION



- AE selects products based on customer's specific needs
- Online product selection tools provide efficiency and flexibility

Parameters	Search Criteria
Size (Diameter)(mm)	8
R25, Resistance at 25°C (Ohm)	4.7
Max. Current at 25°C (A)	2
Recommend Capacitance @24Vdc (uF)	220
<input type="button" value="Search"/> <input type="button" value="Reset search criteria"/>	



## TESTING AND VALIDATION

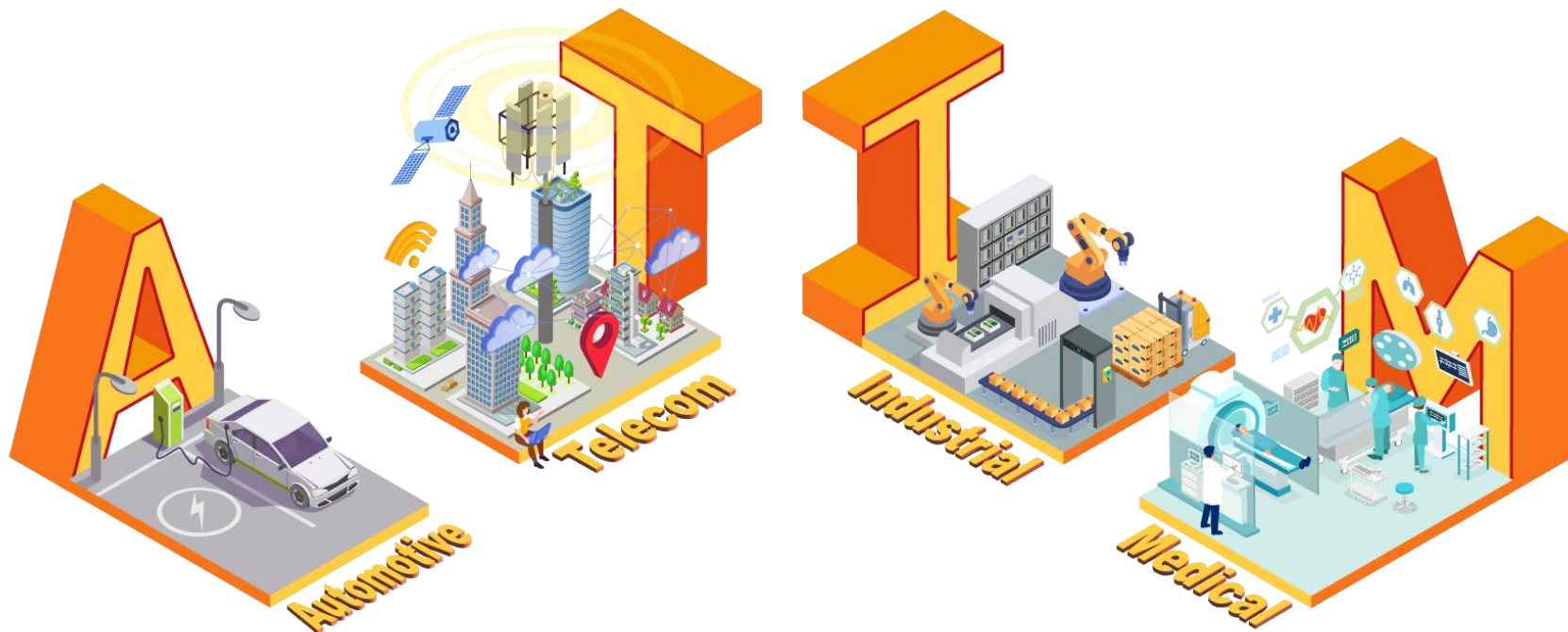


Backed by our labs, AE assists in developing testing plans and evaluates the results with customers





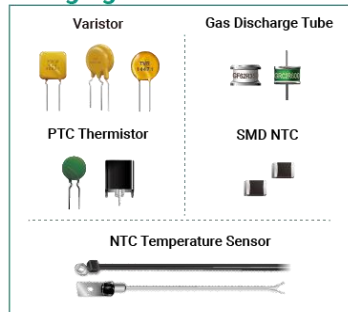
## Contribution to Human Life in



# THINKING Products for Electric Vehicle



## Charging Station



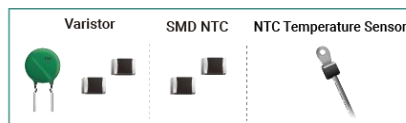
## Charging Cable & Charging Inlet



## On-Board Charger



## ADAS-Domain Controller and LiDAR



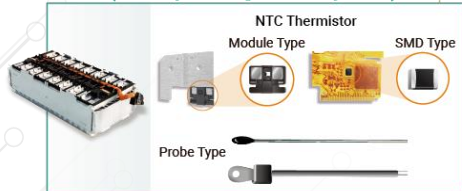
## Liquid Cooling System



## Automotive Lighting



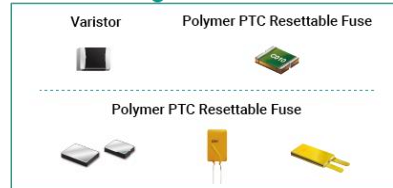
## BMS (Battery Management System)



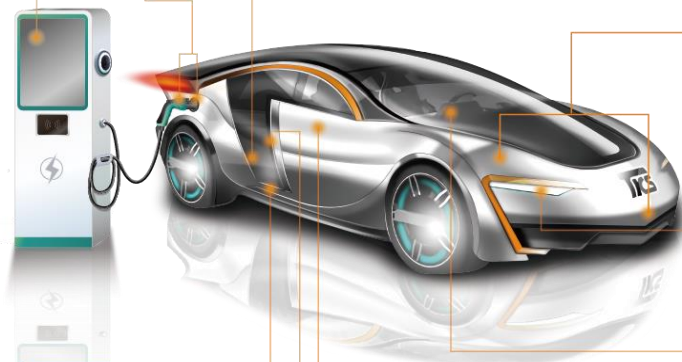
## Traction Motor



## Door Locking Controller & Motor



## Electrical Heater



# The Battery Show



Visit **THINKING** at Booth #5535

THE **BA+TTERY** SHOW  
NORTH AMERICA

 October 7-10, 2024

 Huntington Place | Detroit, MI



Corporate News

Sep 06, 2024

THE **BA+TTERY** SHOW  
NORTH AMERICA

**You are invited!**

**Visit THINKING at The Battery Show  
North America 2024**

share



THINKING Electronic Industrial Co., Ltd. will attend The Battery Show North America 2024, which will take place at Huntington Place, Detroit, Michigan from October 7th to 10th.

You can find THINKING at booth #5535 from October 8th to 10th. We sincerely invite you to visit our booth to learn more about our circuit protection components for electric vehicles and battery energy storage systems. Our temperature-sensing solutions designed for various levels of battery systems will be displayed. We will also showcase our latest compact NTC temperature sensor, a space-efficient solution for monitoring coolant temperature in electric vehicles.


We cannot wait to meet you at Huntington Place, Detroit, Michigan!


[Back](#)

# Electronica 2024

Visit **THINKING** at Hall A5, Booth #252



 November 12-15, 2024

 Trade Fair Center Messe München  
München, Germany



Corporate News

Sep 24, 2024

## Meet THINKING at electronica 2024

share



Thinking Electronic Industrial Co., Ltd. will attend electronica 2024, which will take place in Messe München, Germany, from November 12-15, 2024.

THINKING will exhibit circuit protection components for electrical vehicle applications, renewable energy application, and industrial applications. In addition, several new products, such as hybrid over-voltage protector, ultra-high surge type varistor, surface mount varistor, and thermistors-based inrush current limiter for high power applications will be showcased.

We sincerely welcome you to visit us at Hall A5, Booth No.252 at Messe München!

# THINKING

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Contribute to safety and  
operation efficiency of electronics

