FUZETEC

富致科技股份有限公司
Fuzetec Technology Co., Ltd.

Stock Symbol：6642

Fuzetec Technology Company Profile

2026/11/4

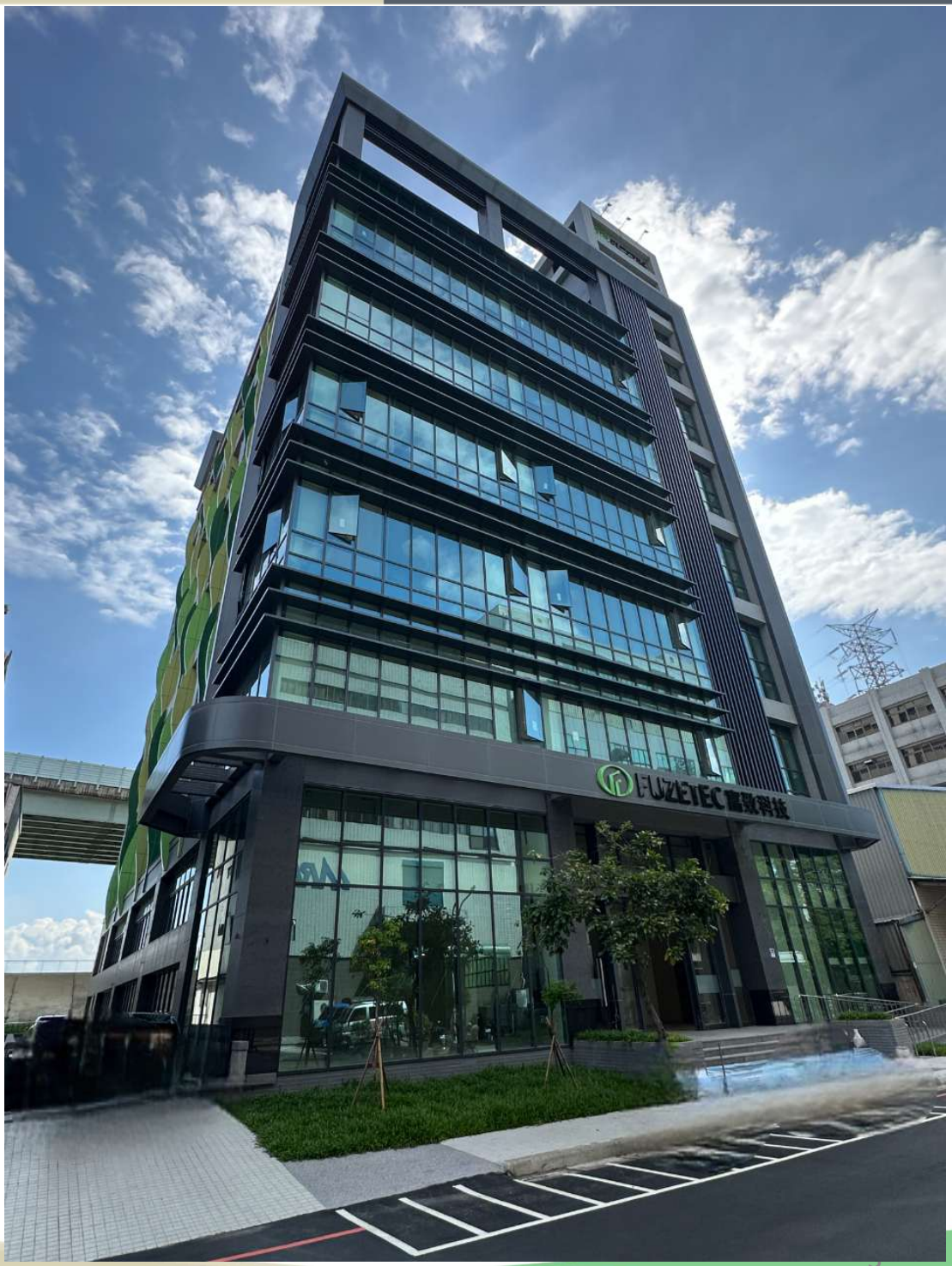
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Fuzetec New Headquarter

No.111, Wu-Gong
1 Road, Wu-Gu Dist.,
New Taipei City, TAIWAN

Factory Area :
8,030 sq m/86,500 sq ft



FUZETEC

Agenda

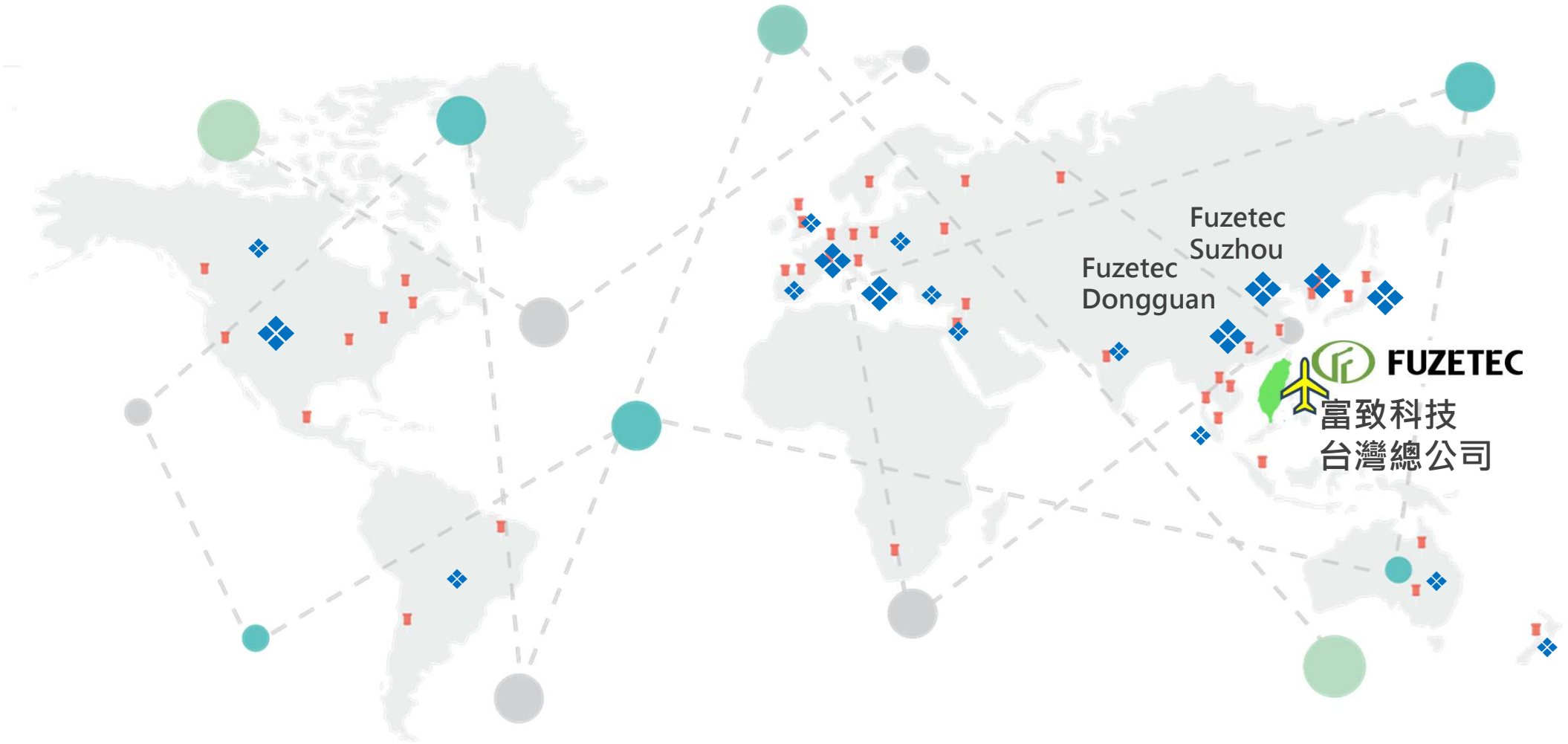
1. Company Overview
2. Main Product & Market
3. Core Competence & Operational Performance
4. Future Outlook
5. ESG/SDGs



Fuzetec Company Overview

Established	Dec. 1999
Chairman of Board/ CEO	陳繼聖 Jack Chen
Capital	USD 13.5 M
Headquarter	No.111, Wu-Gong 1 Road, Wu-Gu Dist., New Taipei City, TAIWAN
Employee	144
Main Product	Circuit Protection Solutions Provider : PPTC Resettable Fuse (Over Current) TVS/ESD/MLV/MOV (Over Voltage) Hybrid Product (OCP+OVP) Power MOSFETS

Fuzetec Global Network



Global Presence in more than 40 countries

Company Milestone









1999-2001

★ **Fuzetec Established**
★ Mass Production Started,
★ Acquired ISO 9001:2000

2004-2006

★ QS 9000 Automotive & ISO 14000, RoHS & Lead Free
★ Automotive ISO/TS 16949

2010

★ Fuzetec China Suzhou Office
★ Global Network Expansion

★ Production Capacity reach 200 M pcs

2013-2016

★ Big Growth in Automotive & Energy Market
★ **Custom Design for Visteon - Tier 1 Automotive Supplier to Ford**

2017~19

★ Company IPO & Automotive IATF 16949

★ Production Capacity reach 500 M pcs

2021

★ Issued New Common Shares







2022

★ Introduced MOV/TVS & Hybrid Products.

★ New Taipei Enterprise Classic Awards

2023

★ New HQ start building, ECD in 2025.
★ National Award of Outstanding SMEs
★ ISO 14064

2024

★ ESG/SDGs
★ Talent development
★ Introduce power semiconductor
★ Total Circuit Protection Solution Provider

2025

★ New HQ construction completion.

★ Golden Merchant Awards

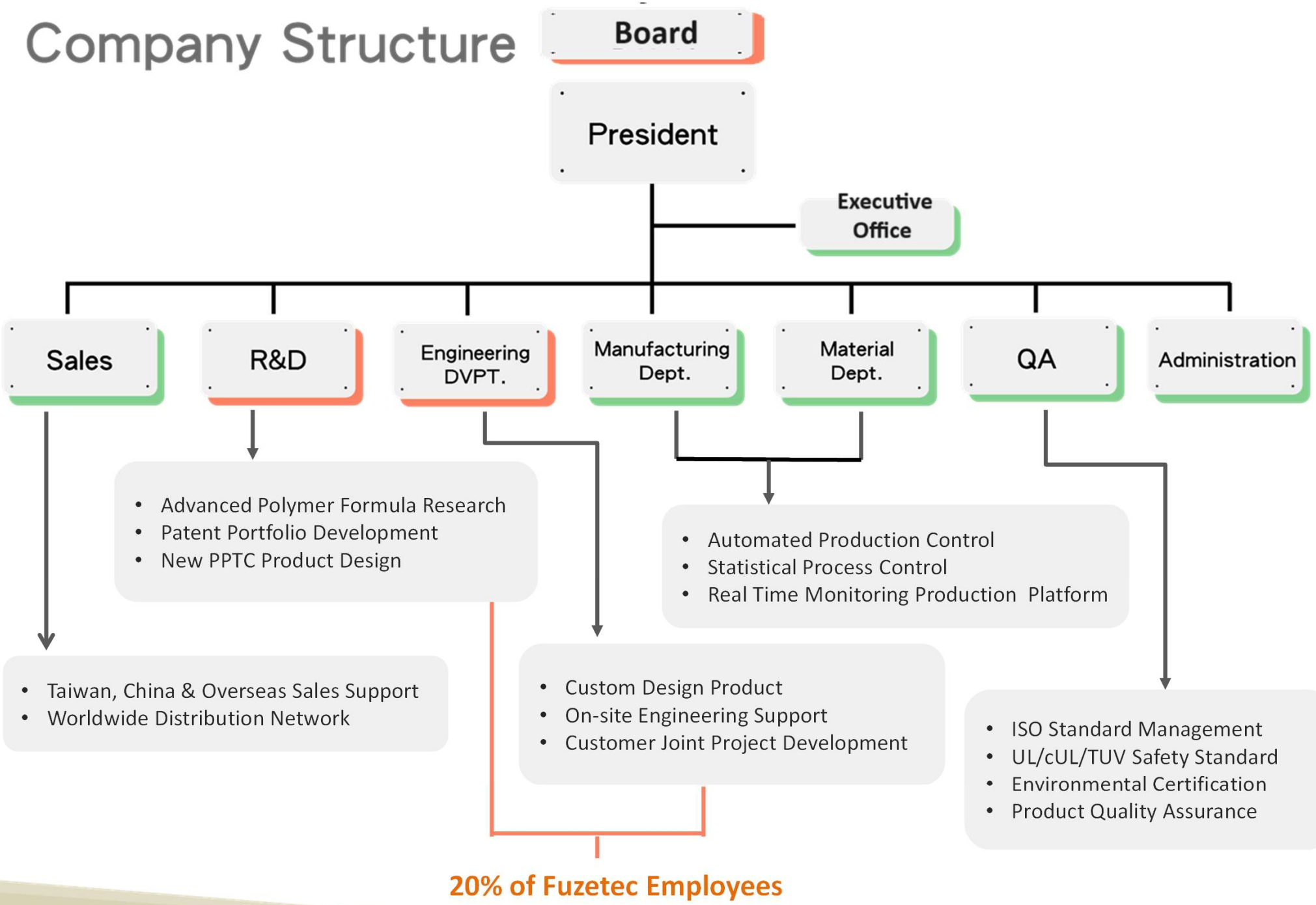
2026

★ New HQ building start Operating
Capacity Doubled.

★ Target on AI, Automotive, Automation/Robot

FUZETEC

Company Structure



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2. Main Product & Market
3. Core Competence & Operational Performance
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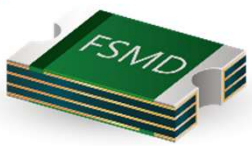


Fuzetec Product Line-ups

Future Technology Safety Advocate

Your circuit protection solutions provider





Over Current



Over Voltage



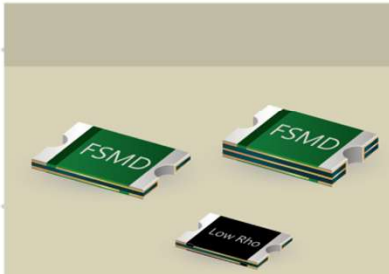
Hybrid OCP+OVP



Power Semi-conductor

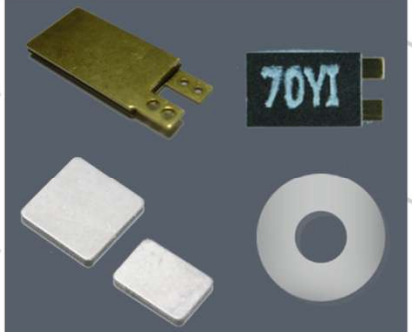
Overcurrent Protection

PPTC Resettable Fuse



SMD & Low Rho SMD

Fuzetec SMD & Low Rho SMD Products for IoT/ Smart Application & Wearable Devices



Chip/Ring & Custom

Custom Design PPTC Products for Automotive and DC Motor Protections



Battery Strap

Battery Strap PPTC for Li-ion Battery Cell BMS/PCM

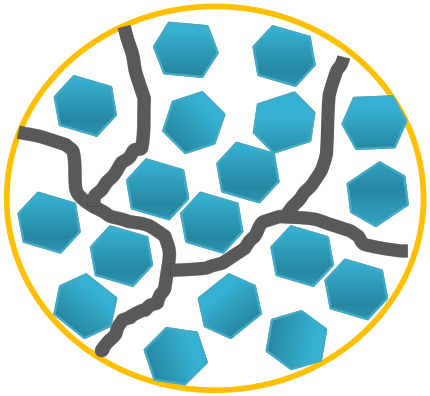


DIP Type

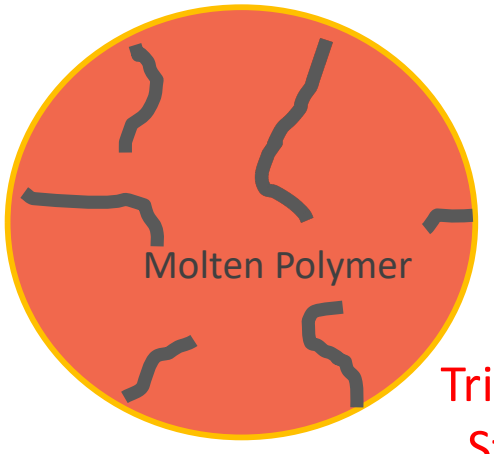
Patented High Temp/ High Voltage Formula; for Automotive , Industrial, Telecom and Network Applications

How It Works





Temperature rise
during fault condition

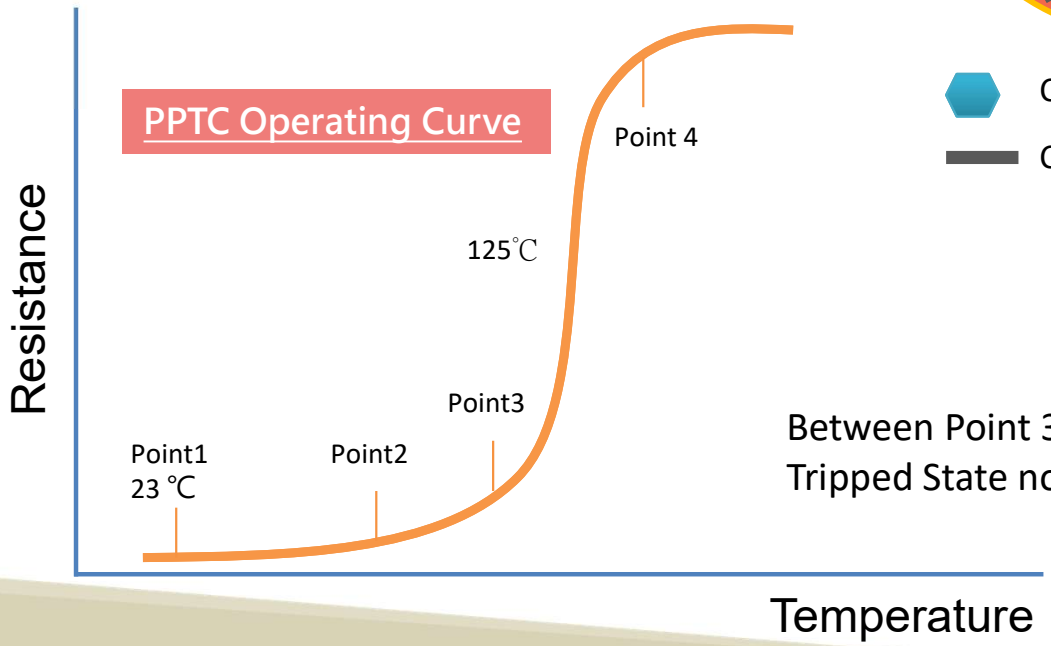


Tripped
State

Temperature drops after
fault current removed

Crystalline Polymer

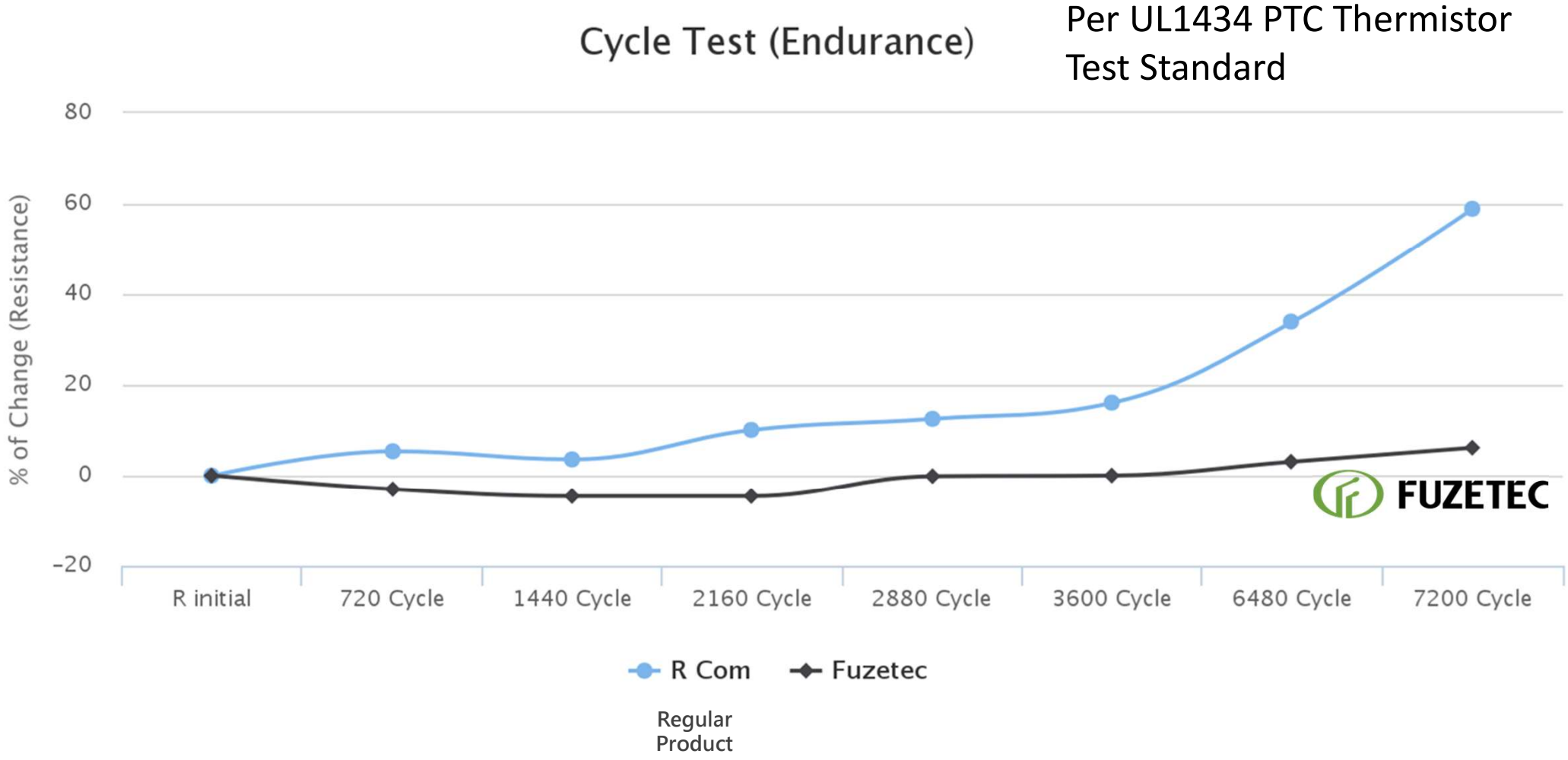
Carbon Black Conductive Chain



Between Point 3 and 4 is the
Tripped State normal operating Region

Reliability Comparison

Per UL1434 PTC Thermistor Test Standard



Regular Product

Fuzetec TVS Product

SMD TVS



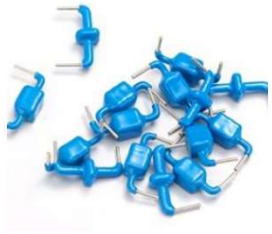
Package :
SMA/SMB/SMC
Power Range :
400~5,000W

Automotive TVS



Package：DO-218
Power Range：
3,600~6,600W
Automotive AEC-Q101 Qualified

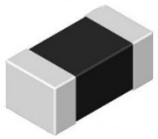
High Power TVS



Package：
R6-P600/ Custom
Power Range：
15,000~30,000W

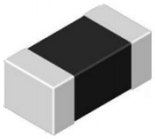
Fuzetec ESD/MLV/MOV Product

ESD



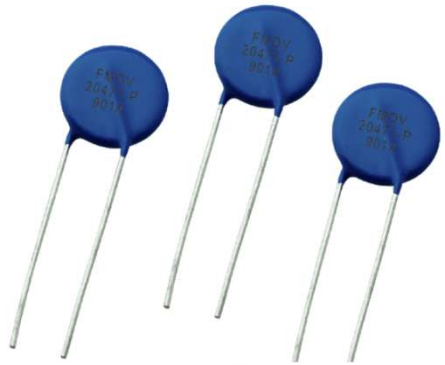
Package :
0201/0402/0603
ESD Capability :
±30KV(contact) ;
±30KV(air)

MLV
(Multi-Layer Varistor)



Package :
0402/0805/1206/1210/18
12/2220/3225
V_{AC} Range: 4~40 (V)
V_{DC} Range: 5.5~56 (V)
Peak Pulse Current:
20~1000A (@8/20us)

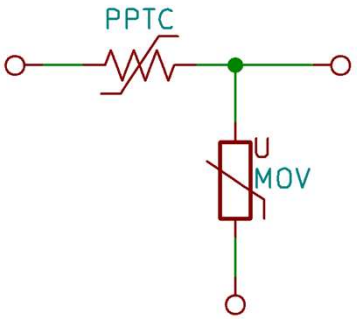
MOV

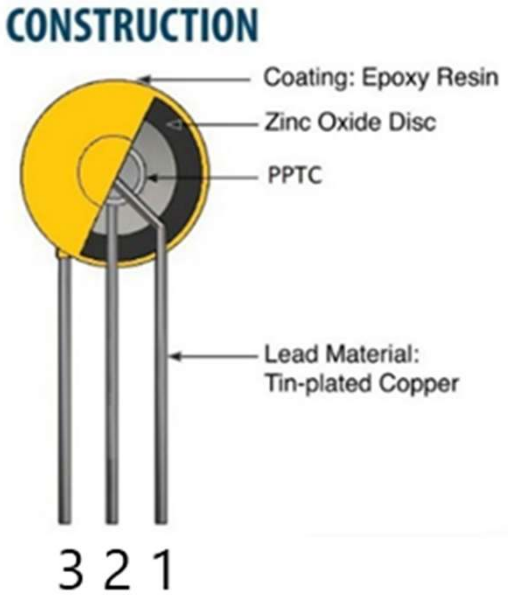


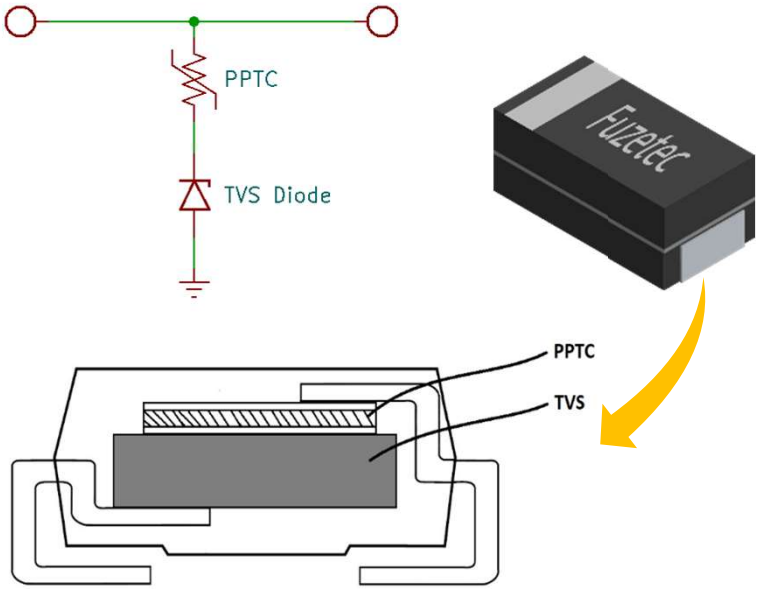
Size:5Ø ~ 20Ø
V_{AC} Range: 11~680 (V)
V_{DC} Range: 14~895 (V)
Peak Pulse Current:
100~15000A
(@8/20us)

Hybrid Circuit Protection

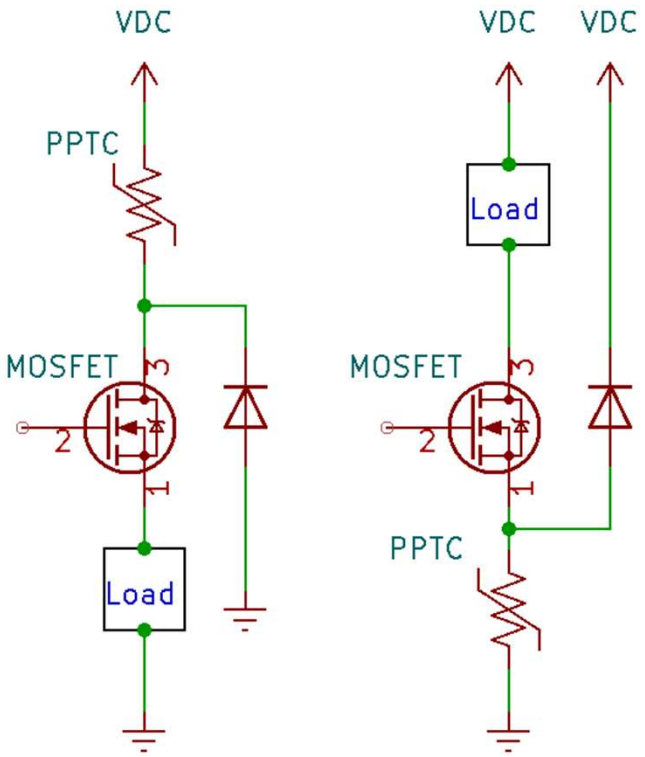
OVP+OCP Hybrid Component：Combining Ceramic(MOV) or Semiconductor (TVS Diode) overvoltage protection devices and PPTC base plates with Fuzetec's innovative new patents，we create a comprehensive circuit protection solution with higher surge immunity and lower the risk of catastrophic thermal runaway。

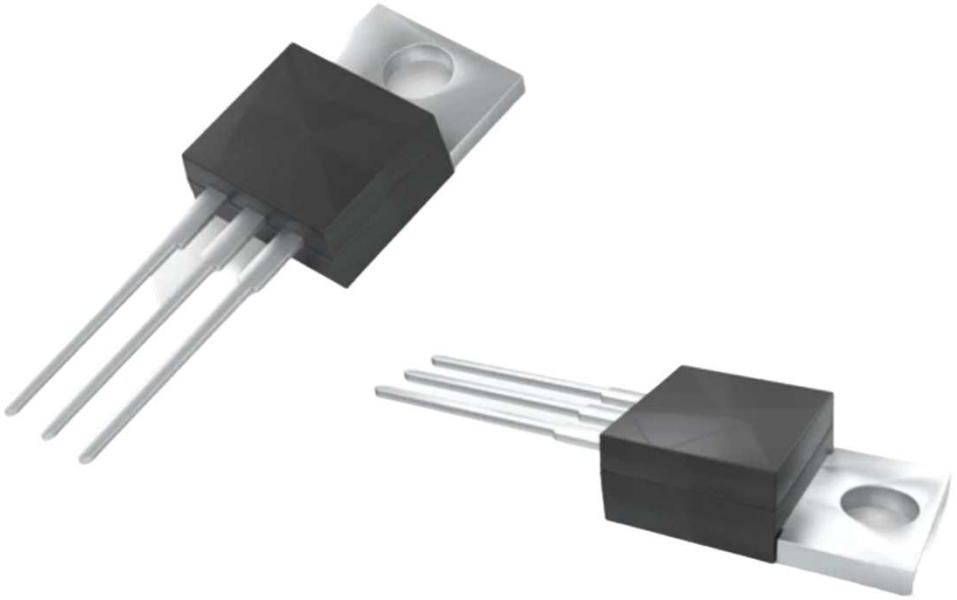






Power Semiconductors – MOSFET





The primary design considerations in MOSFET applications are the heat generated during load switching and the reverse current. PPTC can effectively solve the reverse current problem, and the capability of use with smaller heat sinks can significantly reduce the cost, weight, and size of MOSFET applications. Fuzetec can provide circuit solutions for MOSFET applications and is actively developing PPTC-integrated MOSFET hybrid products.

主要市場



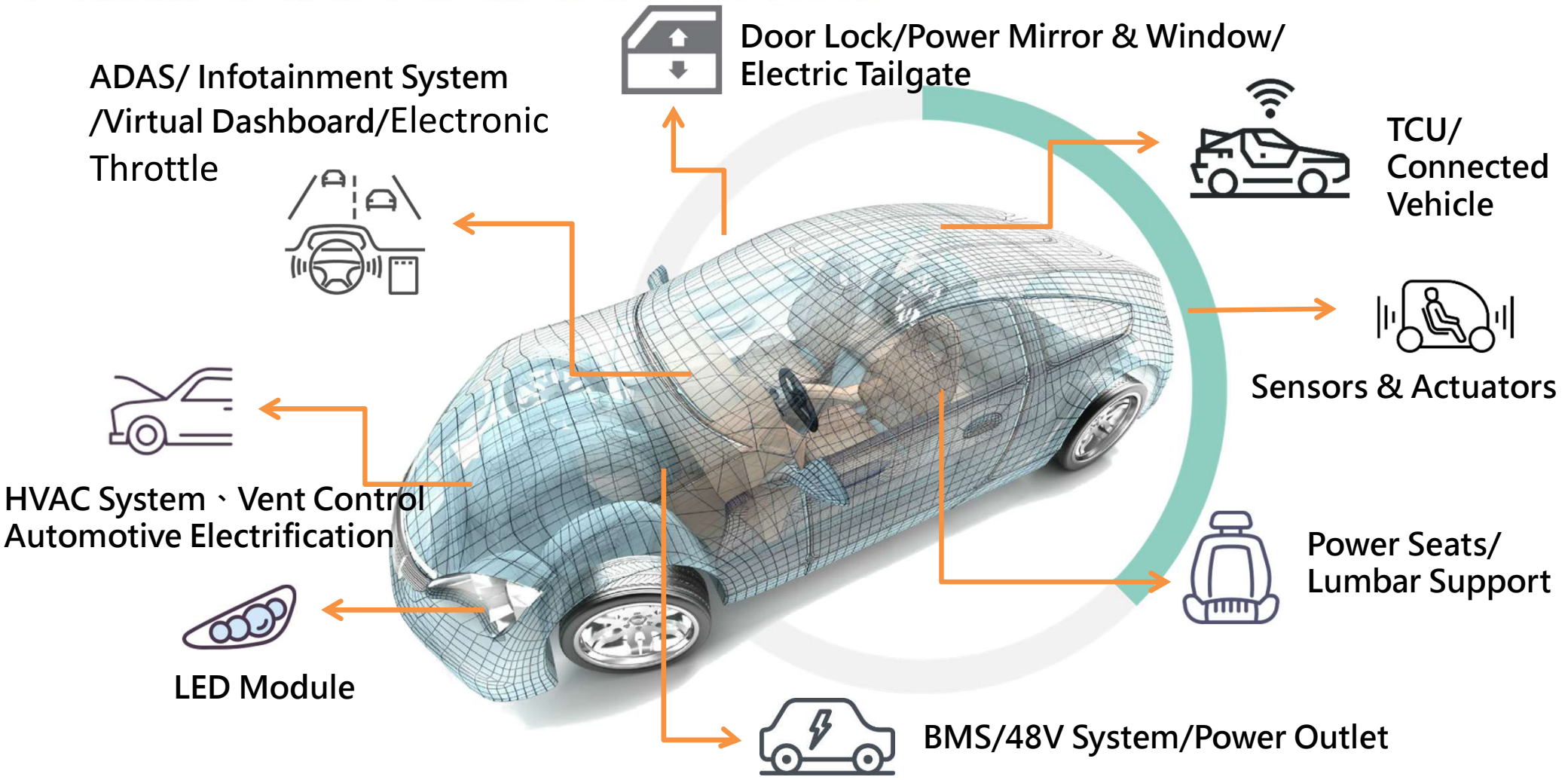
EV/Autonomous

AI/Data Center/Server

Automation/Robot

Energy/ Conversion & Storage

EV/Autonomous



More than a decade of experience in Automotive market, ISO/TS 16949 certified AEC-Q200 qualified products; work closely with First Tier automotive suppliers

EV/Autonomous



















Hyundai EV & Hydrogen Fuel Cell





















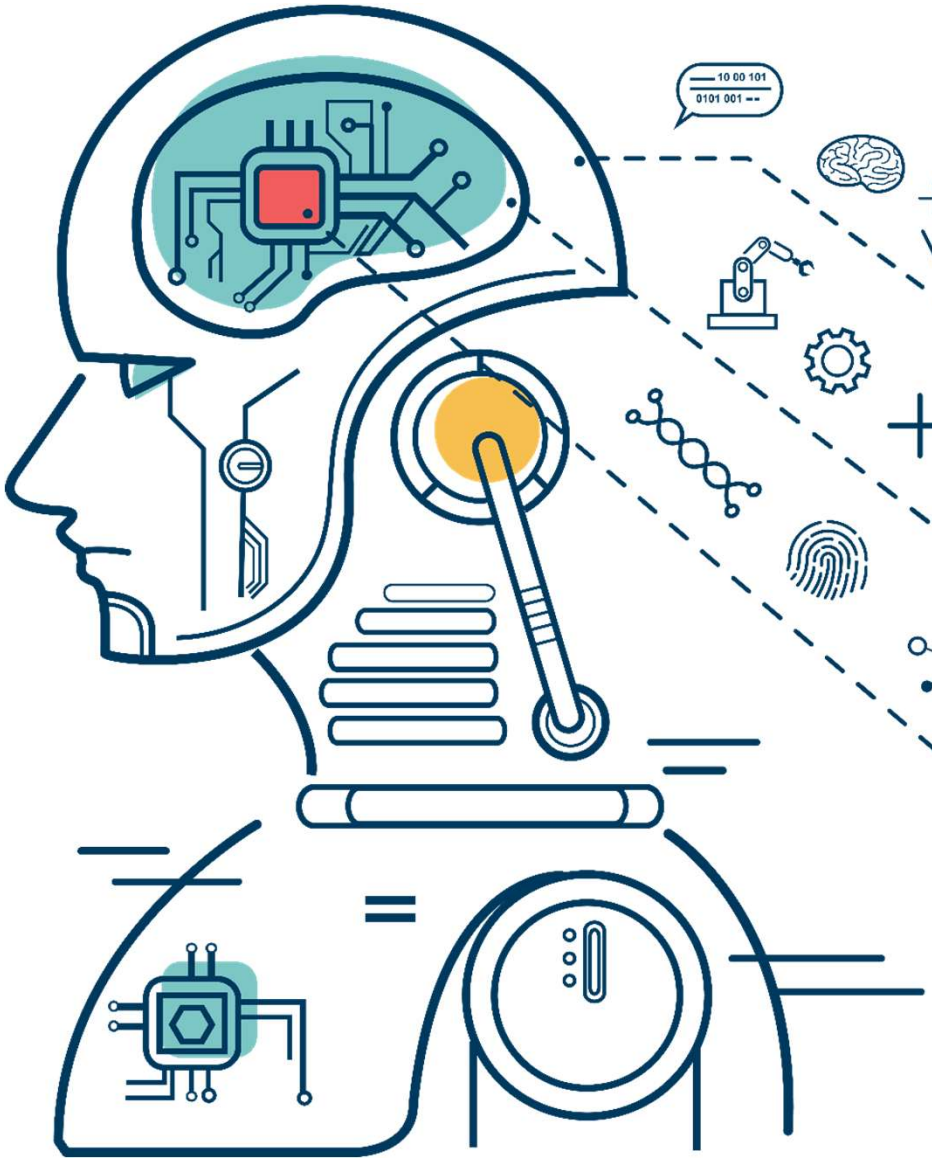








AI/Data Center/Server



AI Equipment :
Protect costly ICs in AI equipment against Overcurrent。

Auto-Pilot system :
Protect Sensors and Telecom equipment Modules against Surge and Spike.

Data Center & Server :
Prevent ESD events and Telecom equipment being damaged from Surge and Spike

Optimal Energy Management :
Ensure AI and Server equipment's achieve Optimal Energy utilization during power switching.

Circuit Protection Devices and Power Semiconductor play a crucial role in AI system assuring stability and long-term reliability.

AI/Data Center/Server





























MALAYSIAN INSTITUTE OF MANAGEMENT
Institut Pengurusan Malaysia









Automation/Robot



Under the trend of Automation/Robot Energy/ Conversion & Storage, global industries move toward smart manufacturing and applications. PPTC is the ideal circuit protection solution for machine control interface & power management.

Automation/Robot
Energy/ Conversion & Storage









































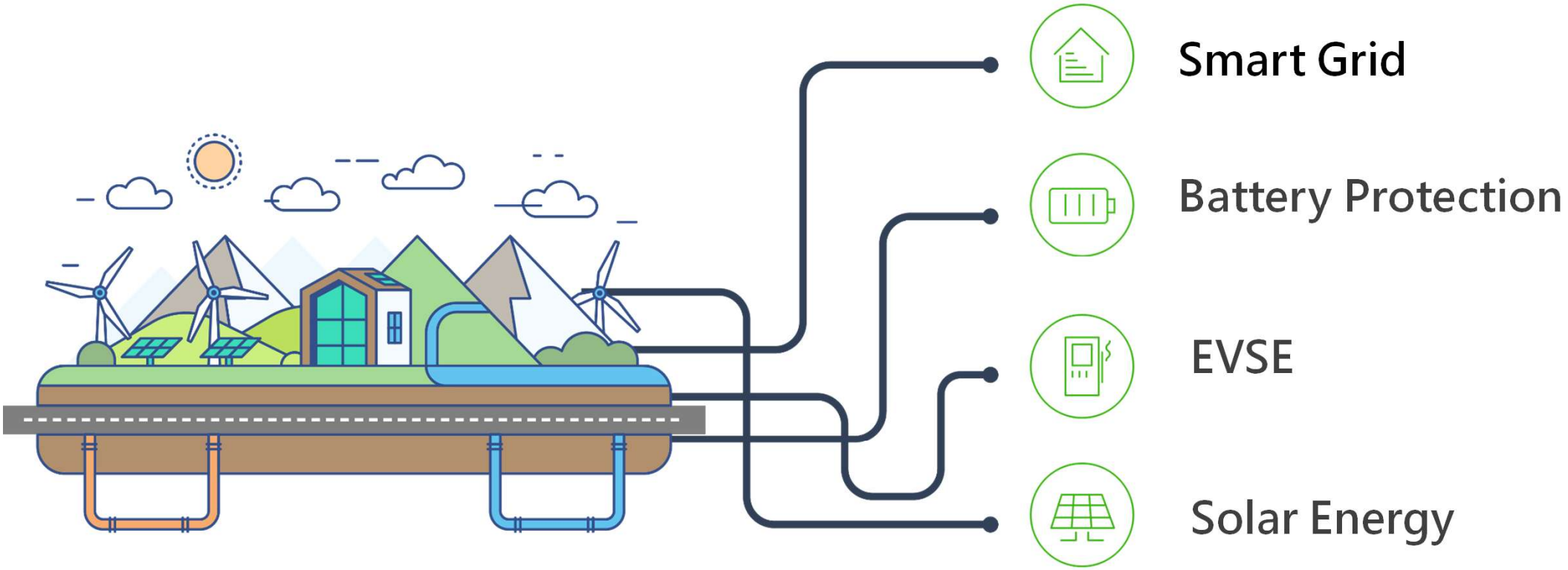








Energy/ Conversion & Storage



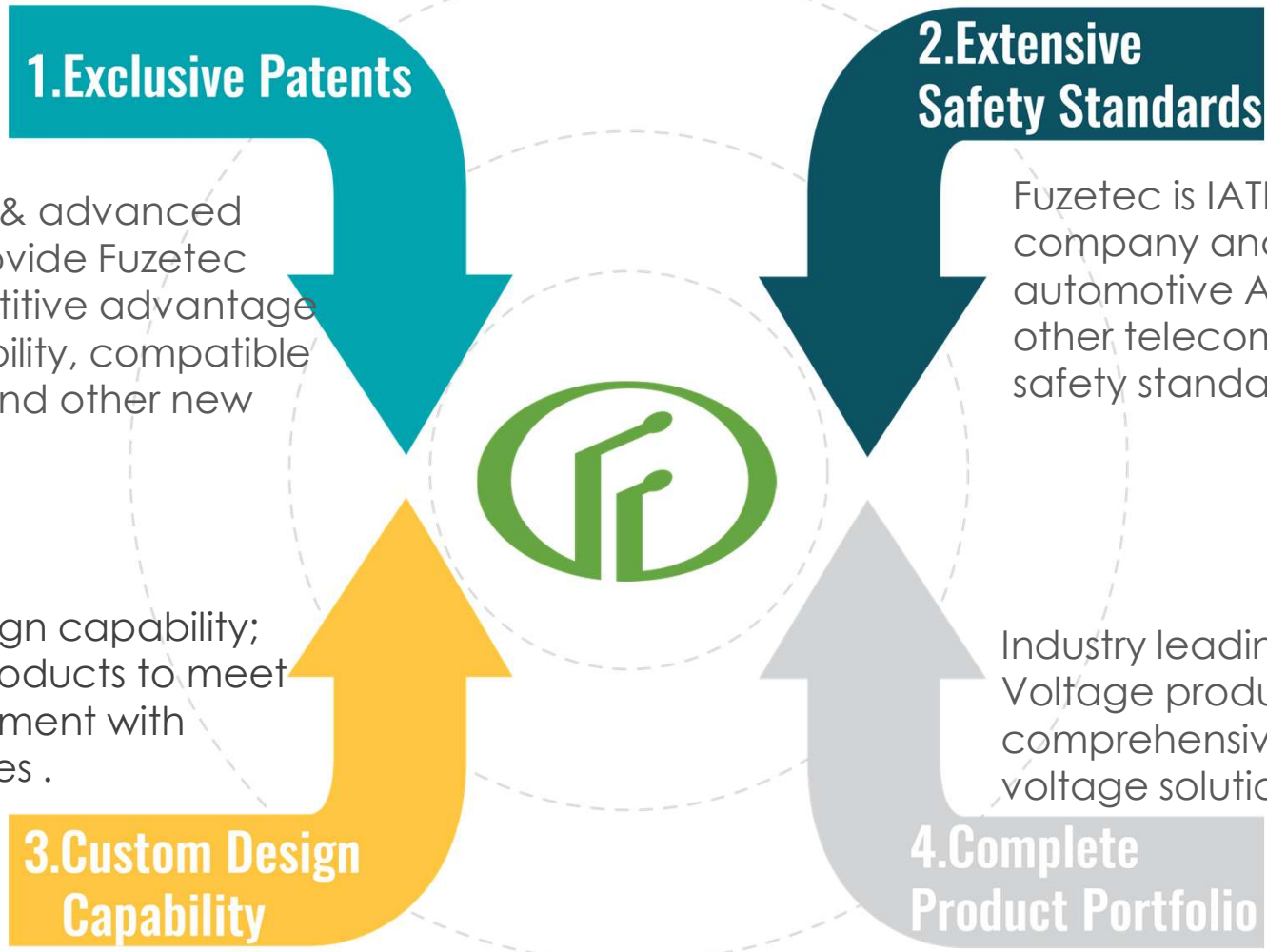
The evolution of battery technology and government policy support boost the adoption and deployment of EV and battery energy storage system. Fuzetec PPTC devices provide the ideal protection for EV BMS and BESS on/off grid DC/AC conversion

Agenda

1. Company Profile
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4. Future Outlook
5. ESG/SDGs



Competitive Advantage



專利布局

Patent Mapping

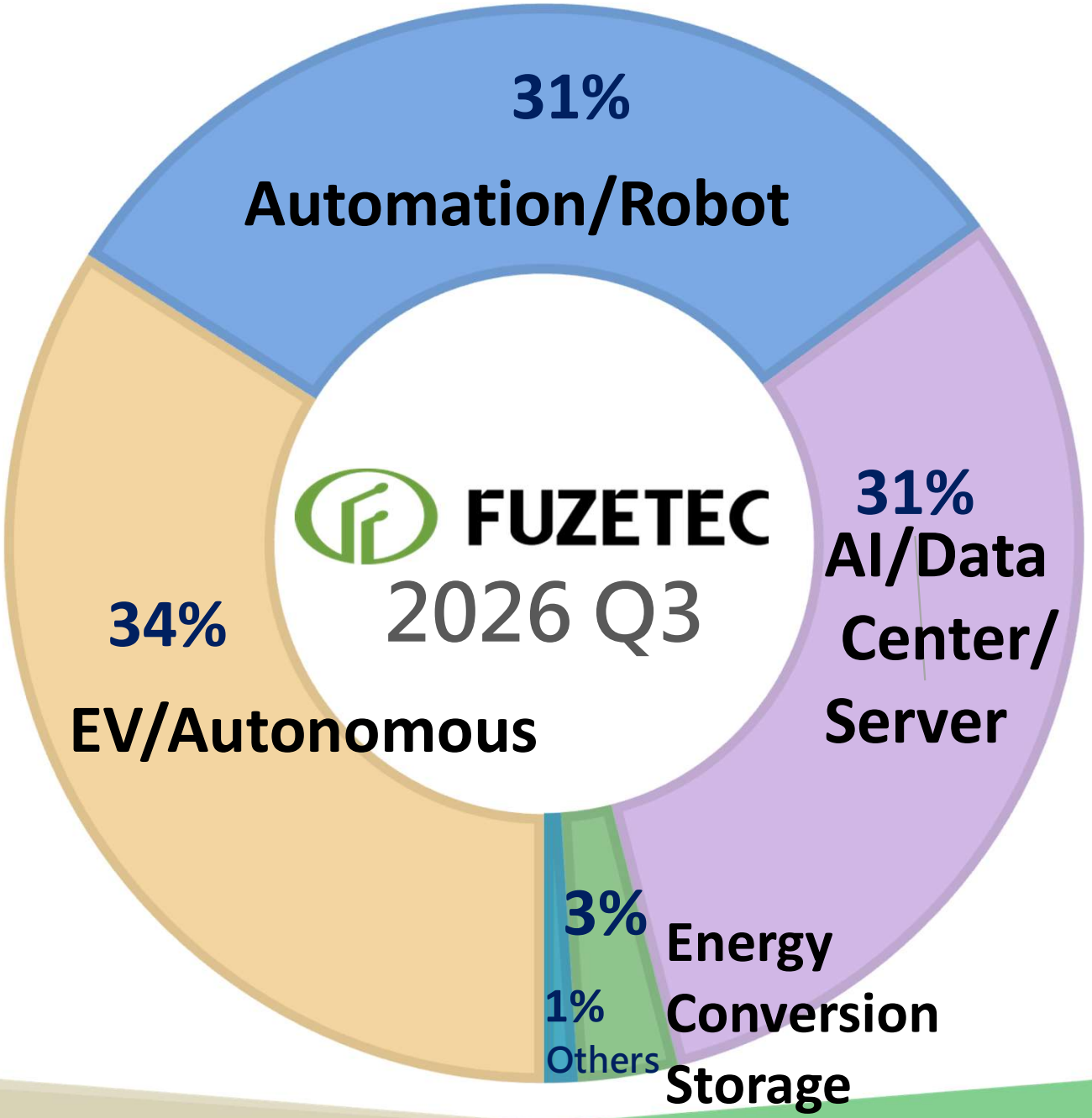


Fuzetec Patents			Sept., 2026
Region	**Acquired**	**In Progress**	**Total**
U.S	40	8	48
Taiwan	38	11	49
China	22	16	38
Total	100	35	135
Patent Type	**Acquired**	**In Progress**	**Total**
Formulation	38	12	50
Structure	56	23	79
Process	6	0	6
Total	100	35	135

*New Invention Patents: 98%，Formulation Patents: 38%

Product Applications

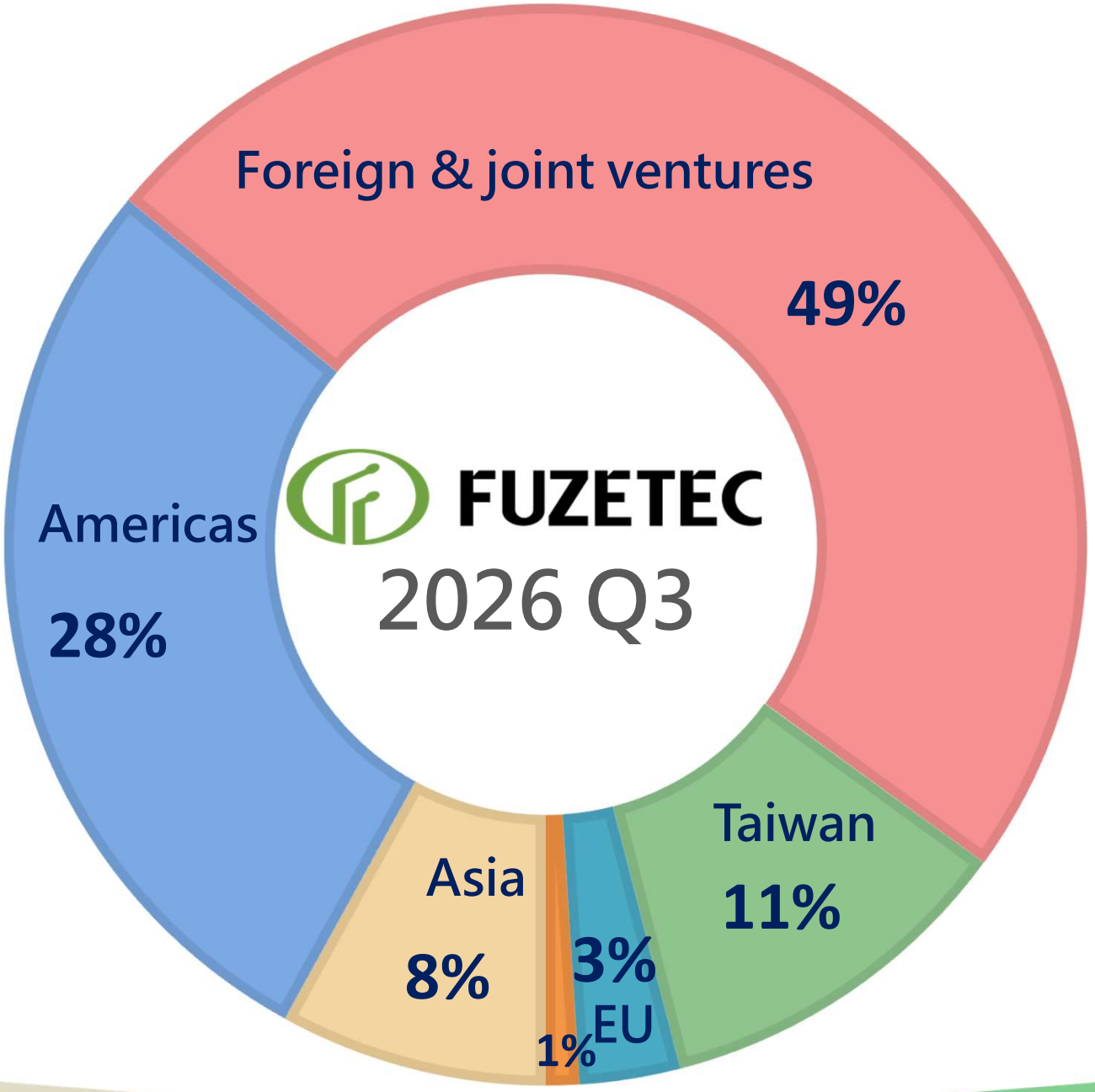
2024	
AI/Data Center/Server	30%
EV/Autonomous	36%
Automation/Robot	28%
Energy/ Conversion & Storage	5%
Others	1%
2025	
AI/Data Center/Server	32%
EV/Autonomous	36%
Automation/Robot	27%
Energy/ Conversion & Storage	4%
Others	1%



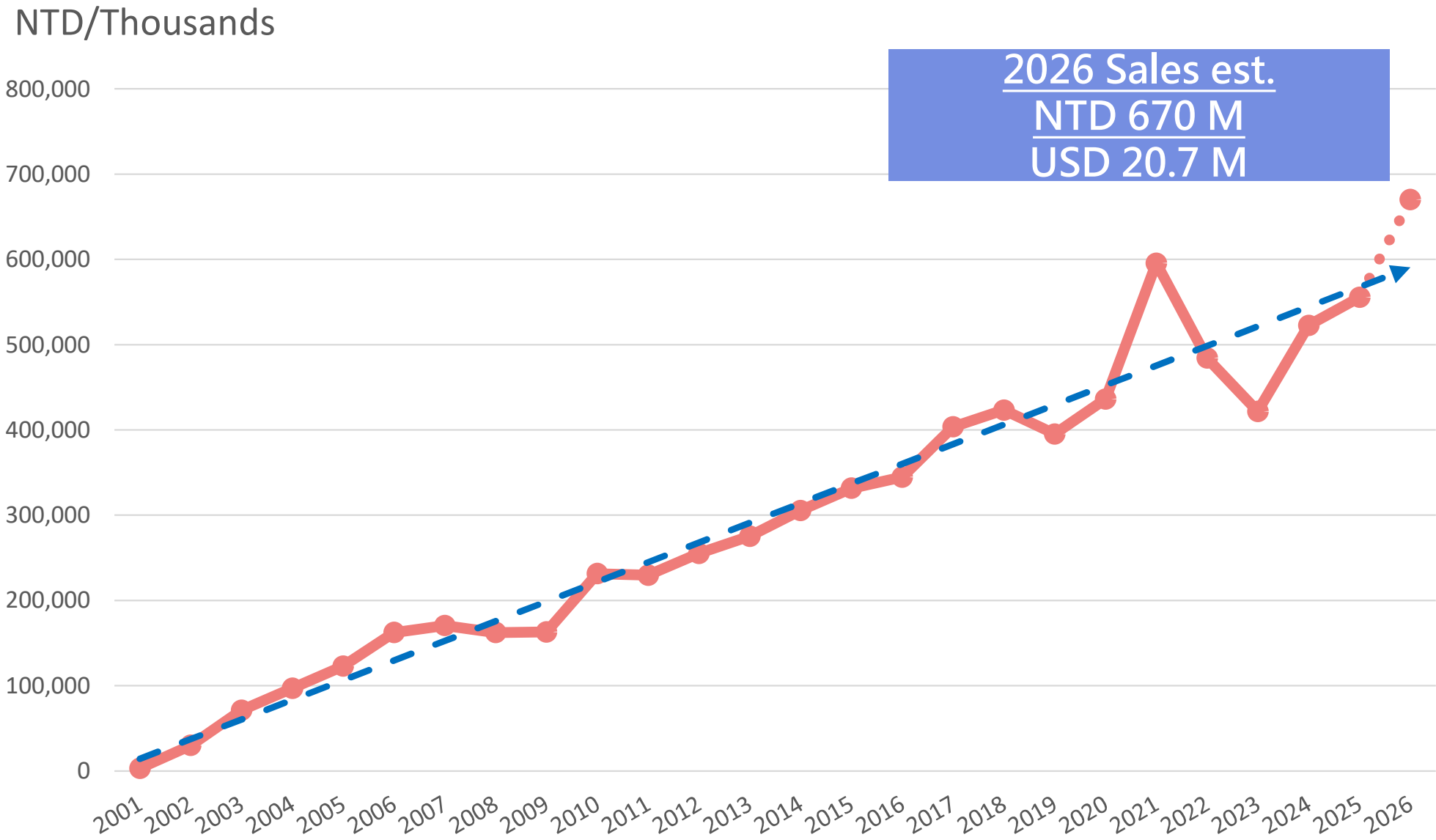
Sales Region

2024	
Taiwan	12%
China	51%
Americas	19%
Asia	13%
Europe	4%
Others	1%

2025	
Taiwan	12%
China	49%
Americas	24%
Asia	11%
Europe	3%
Others	1%



Sales Revenue



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Future Outlook

EV/Autonomous

AI/Data Center/Server

Automation/Robot

Energy/ Conversion & Storage

EV/Autonomous



Automotive electronics will grow from USD 312.9 B to USD 660 B from 2023 to 2032, CAGR over 8.9%.

AI/Data Center/Server



AI/Smart will grow from USD 638.23 billion to USD 3,680.47 billion from 2024 to 2034, CAGR over 19.,1% .

Automation/Robot



Global Industrial Control will grow from USD 495.7M to 754.5 M from 2024 to 2029, CAGR 8.77%.

Energy/ Conversion & Storage



Global renewables in final energy consumption will grow from 13% in 2023 to nearly 20% by 2030.

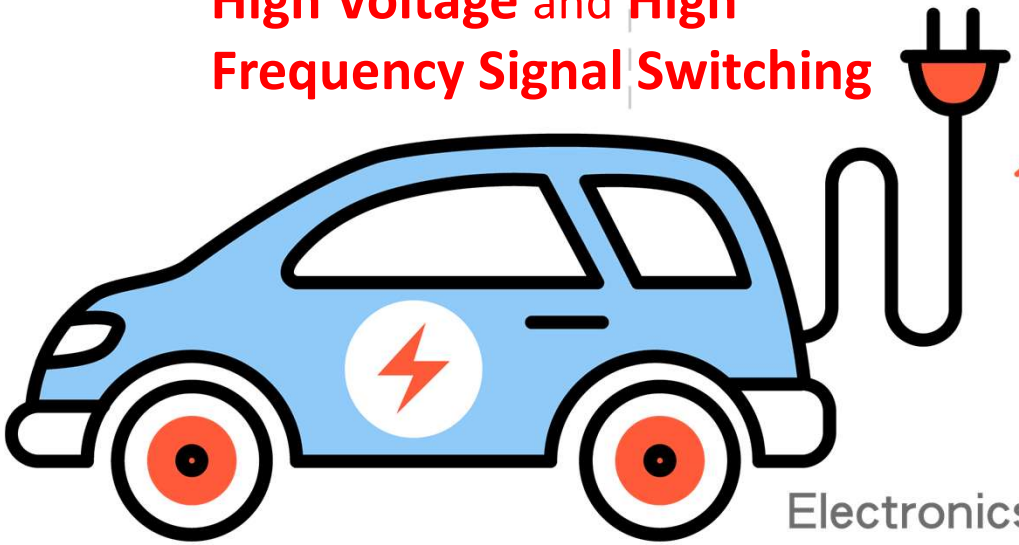
Global energy investment is set to exceed USD 3 trillion for the first time in 2024.

EV/Autonomous Outlook

Automotive VISION

Electric Vehicle, Automotive Battery Management System, 48V Mild-Hybrid System, Safety System, ADAS and Connected Vehicle will drive the growth of automotive electronics market。

Demand : Uncompromising Reliability under **High-Temp, High Voltage** and **High Frequency Signal Switching**



EV

Electric Vehicle(EV) & Plug-in Hybrid Electric Vehicle (PHEV) become main stream

Batteries

Automotive battery management system for EV & PHEV demand high quality circuit protection。

48V System

New 48V power system for mild-hybrid vehicle will grow rapidly。

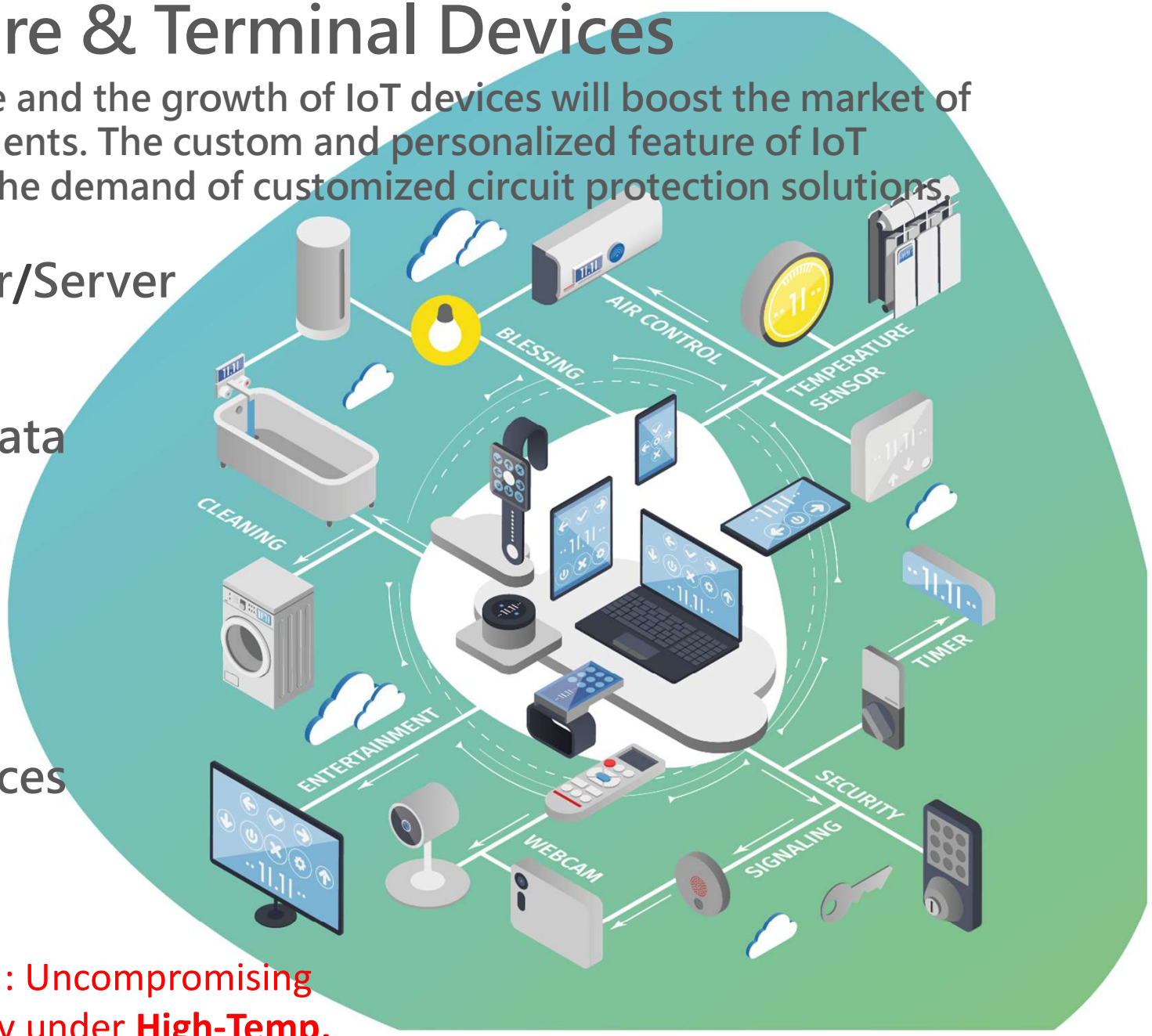
Electronics-ization

Electronics system cost as a percentage of total car will reach 50% by 2030。

AI Infrastructure & Terminal Devices

Building IoT infrastructure and the growth of IoT devices will boost the market of circuit protection components. The custom and personalized feature of IoT market will also increase the demand of customized circuit protection solutions.

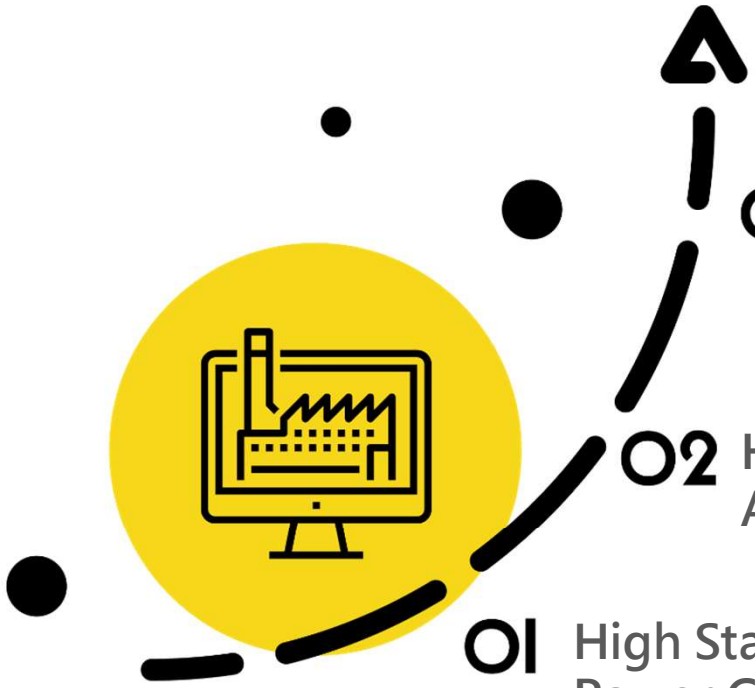
- AI/Data Center/Server
- Cloud & Big Data
- Smart City/ Smart Home
- Wearable Devices
- AI Application



Demand : Uncompromising Reliability under **High-Temp, High Voltage** and **High Frequency Signal Switching**

Automation/Robot Market Trend

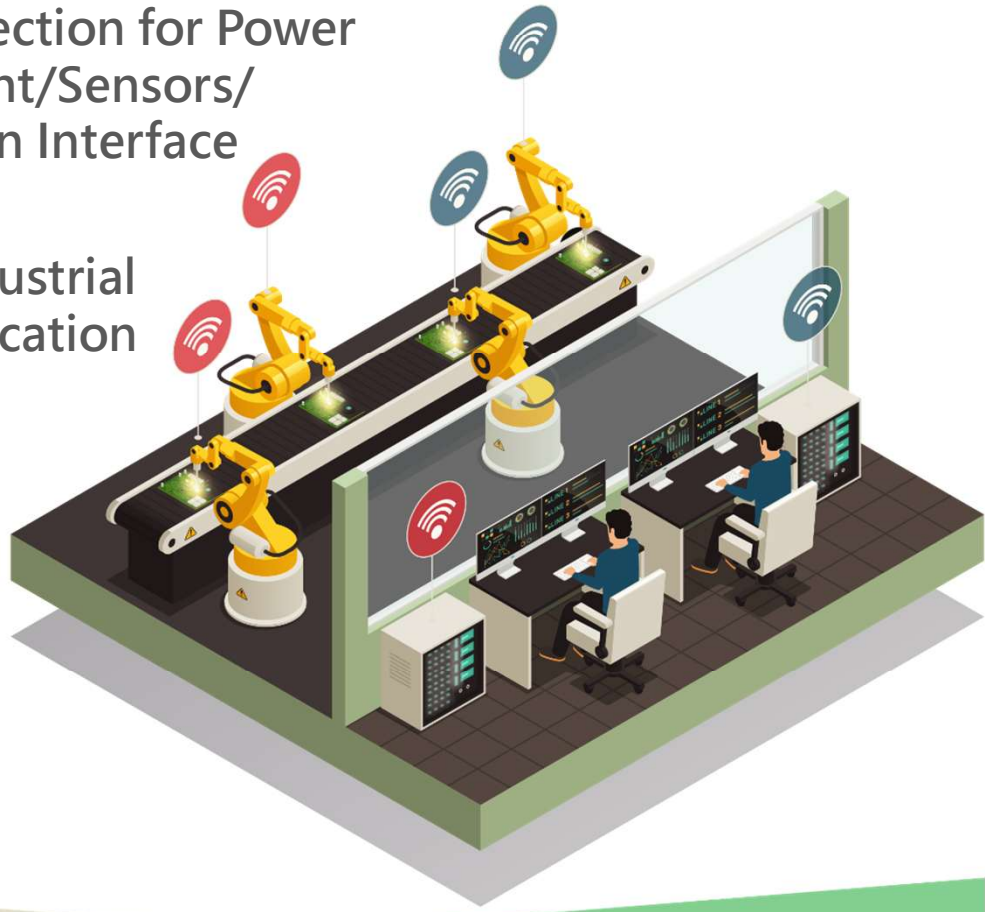
As part of this digital transformation, manufacturers are investing in new technologies that leverage the capabilities of IoT, cloud, and big data analytics to enhance their ability to innovate and maximize return on their assets.



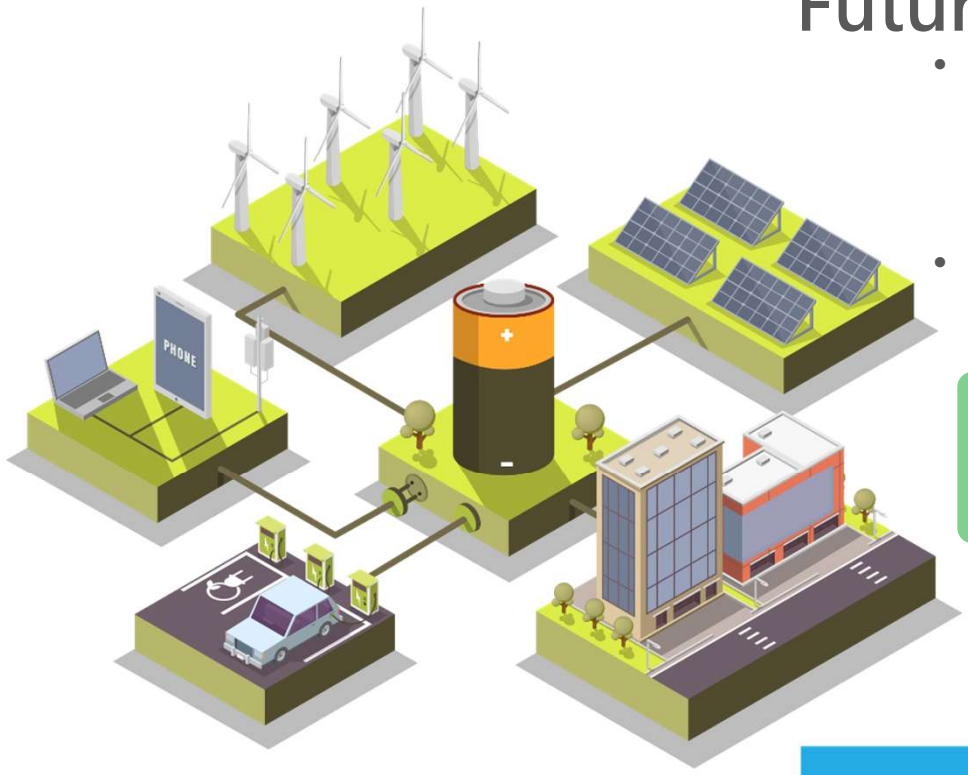
O3 Circuit Protection for Power Management/Sensors/ Transmission Interface

O2 High Voltage Industrial AC Voltage Application

O1 High Stability and Low Power Consumption



Energy/ Conversion & Storage
Future Outlook



- Working towards global climate agreement of cutting CO2 emissions, governments are setting energy subsidy policy for renewable energy.
- Advanced Lithium battery technology has cut the cost of home and business energy storage solutions.

Transform → Storage → Management

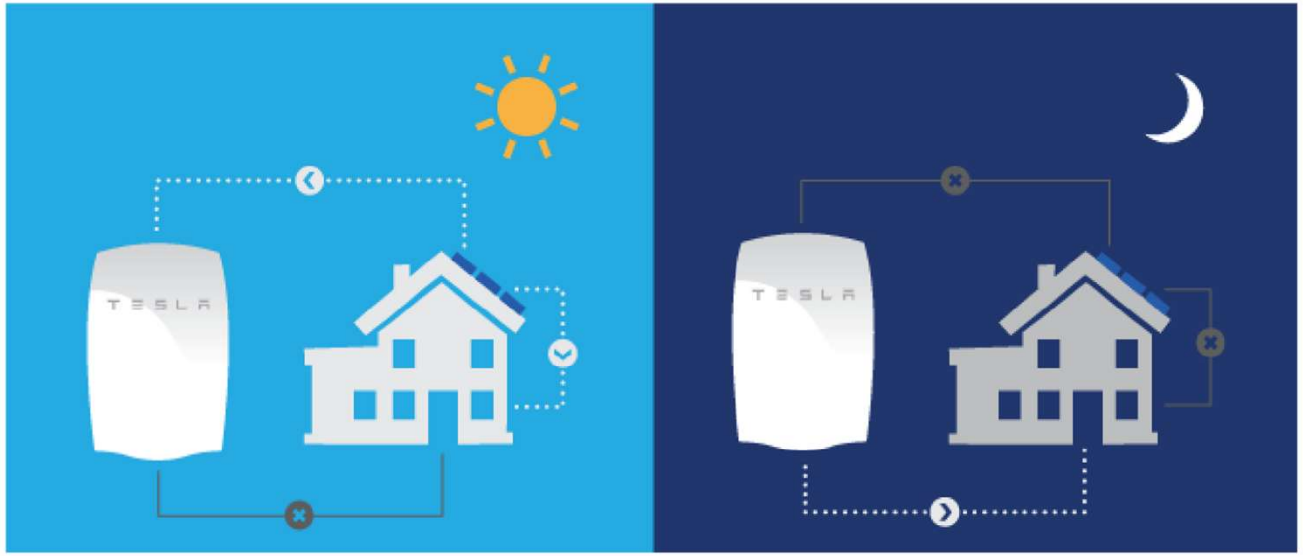
LG Chem

Panasonic SANYO

VARTA

TADIRAN BATTERIES

Demand : Uncompromising Reliability under **High-Temp, High Voltage** and **High Frequency Signal Switching**

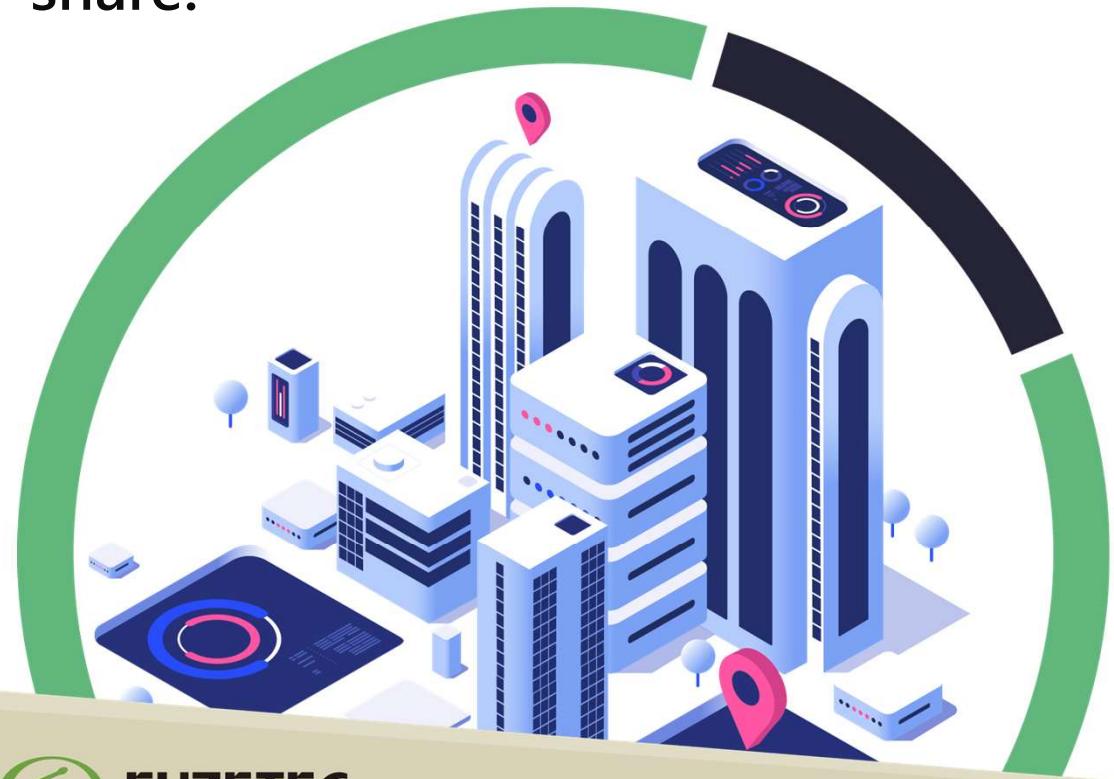


圖片來源：Energysage.com

FUZETEC

PPTC Market and Future Outlook

The global PPTC market is valued at approximately 700 million US Dollars. Fuzetec has a 7% market share, ranking 3rd in the industry. In recent years, our strategic initiatives have steadily increased our product market share.



01 Digitize through big data analysis and synchronize with ERP system.

02 Cross-industry collaboration, integrating OVP and OCP products.

03 Developing new products based on future market demands.

04 Innovating and integrating product applications.

05 Professional and comprehensive circuit protection solutions provider.

Product Roadmap

New Formulation

High Temperature

- 16V/24V/30V/48V, conforming to UL/CUL & TUV certificate and automotive AEC- Q200 standard.

High Voltage AC

- 240Vac 、 277Vac and 305Vac. DIP 305Vac and miniaturized SMD 240Vac.

Product Applications

- 48V EV Automotive System
- High-Temp & AI & EV Automotive
- High Voltage AI & Energy AC Power
- High Current Smart Devices and Energy Applications

Product Roadmap

Hybrid Devices

OVP + OCP Hybrid Circuit Protection Devices

- The Patented Hybrid product integrates OVP (MOV and/or TVS) with PPTC Resettable Fuse, provide total circuit protection solution.

- Hybrid products offer multiple protections, addressing Overcurrent and Overvoltage protection individually. Moreover, the combined effect can hold up to Abnormal Overvoltage and Overcurrent under Transient High Voltage conditions.

Product Applications:

- High Energy AI Server
- Customized Products
- Automation/Robot
- Energy and Power Industry



Agenda

1. Company Overview
2. Main Product & Market
3. Core Competence & Operational Performance
4. Future Outlook
5. ESG/SDGs



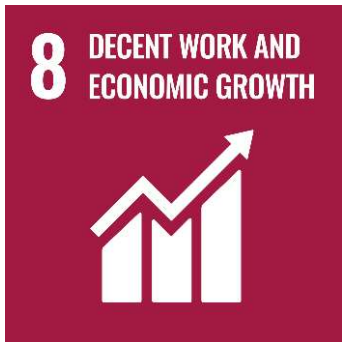
Sustainable Development

Sustainable Development Committee as the top management, led by President.



Process : E (Environment)
S (Social)
G (Governance)

Target: P (Prosperity) , S (Human Right),
E (Climate Change), (SDGs)





Sustainable Development Road Map



Universe Sustainability

Future Generation; Circular Economy

Creative Future; Value; Green Circulation; Responsible Purchasing

Vision
New Gen with AI.
Net Zero Planet

Mission
New Tech
New life
Safety and Convenience

Value
Pioneer
Breakthrough
Niche Market



As a leading company, Fuzetec strives to green energy and eco-technology.

Thank you

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