



Smarter. Greener. Together.

# Delta Group Profile

[www.deltaww.com](http://www.deltaww.com)



# About Delta Group



**Bruce Cheng**  
Founder and Honorary Chairman



**Yancey Hai**  
Chairman

Delta Group, founded by Mr. Bruce C.H. Cheng in 1971, is the global leader in power and thermal management solutions. Our mission statement, “To provide innovative, clean and energy-efficient solutions for a better tomorrow” focuses on our role in addressing key environmental issues such as global climate change. With our concern for the environment, we continue to develop innovative energy efficient products and solutions. Our businesses encompass power electronics, energy management, and smart green life.

Delta is devoted to innovation and systematically developing new products and technologies, particularly those that are high-efficiency and energy-saving. We invest 5% to 6% of our group's annual sales revenues in R&D and have worldwide R&D facilities in Taiwan, China, Thailand, Japan, the U.S., and Europe. Our national honors for innovation include the Taiwan National Industry Innovation Award (2008 and 2012) and the Thailand Prime Minister's Industry Award (1995, 2010, 2011, and 2012).

Throughout Delta Group's history we have received many global awards and recognitions for our business, technology, and corporate social responsibility. In 2012, for the second consecutive year, Delta was selected for two of the prestigious Dow Jones Sustainability Indexes – the DJSI World Index and the DJSI Asia / Pacific Index. Delta was also ranked first among the 29 leading companies in the Electronic Equipment sector and named as “Sector Leader.” Since 2010, Delta has received 47 internationally recognized design awards including iF, Reddot, CES Innovation, Computex Best Choice, and Taiwan Excellence Award.

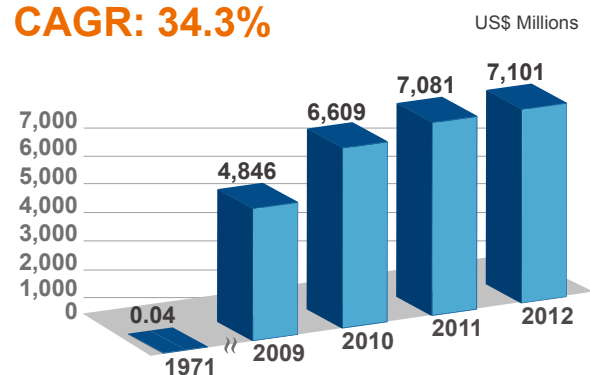
Delta will continue its dedication to developing technologies and solutions that aim to reduce global warming and ensure a sustainable future for mankind.



## Worldwide Revenues

Delta continues to achieve significant business growth and delivers strong and stable financial performance, with a compound annual growth rate of 34.3% since 1971. Delta's consolidated worldwide sales revenues in 2012 were US\$7.1 billion.

**CAGR: 34.3%**



## Milestones

### 1971

- Established

### 1983

- Mass production of switching power supplies

### 1988

- Listed on the Taiwan stock exchange (code 2308)
- Mass production of brushless DC fans

### 1992

- Inauguration of the first Plant (Dongguan) in China

### 2003

- Acquired ASCOM Energy Systems, an organization with expertise in power supplies and a history of over 100 years

### 2007

- Honored with Forbes Asia's Fabulous 50 Award
- Provided world's first company-wide Green Map with recognition from Green Map System

### 2008

- Listed as a Global Top 100 Low-Carbon Pioneer by CNBC European Business Magazine

### 2011

- Achieved US\$7 billion in revenues

### 2012

- Named as a Taiwan Top 20 Global Brand for 2 consecutive years
- Listed in Dow Jones Sustainability World and Asia / Pacific Indexes for 2 consecutive years
- Named as the "Sector Leader" in the DJSI Electronic Equipment sector
- Received the Taiwan National Industry Innovation Award





## Mission

To provide innovative, clean, and energy-efficient solutions for a better tomorrow.

With our long-term commitment to environmental protection and technology innovation, Delta is developing highly efficient power products including switching power supplies at over 90% efficiency, telecom power at over 97% efficiency, and PV inverters of up to 98.5% efficiency. This significant achievement marks Delta's leadership in the global power supplies industry, and our dedication to developing energy efficient solutions and alternative energy sources. We believe an environmental business approach is not only good for our planet, but also great for business.

From 2010 to 2012, Delta's high efficiency products saved about 5 million tons of CO<sub>2</sub>e for our customers. Among its many energy-saving products, Delta has developed the world's first server power supply to achieve 80 Plus Titanium energy efficiency, which is greater than 96% efficiency. With our vision for greener, cleaner, more energy-efficient solutions, Delta is making a unique contribution to industry and to a better world.

# Corporate Culture

Strive for change, and pursue sustainability.

## **Innovation**

Create new ideas and take them to success effectively.

## **Quality**

Consistently deliver superior performance and pursue improvement all the time.

## **Agility**

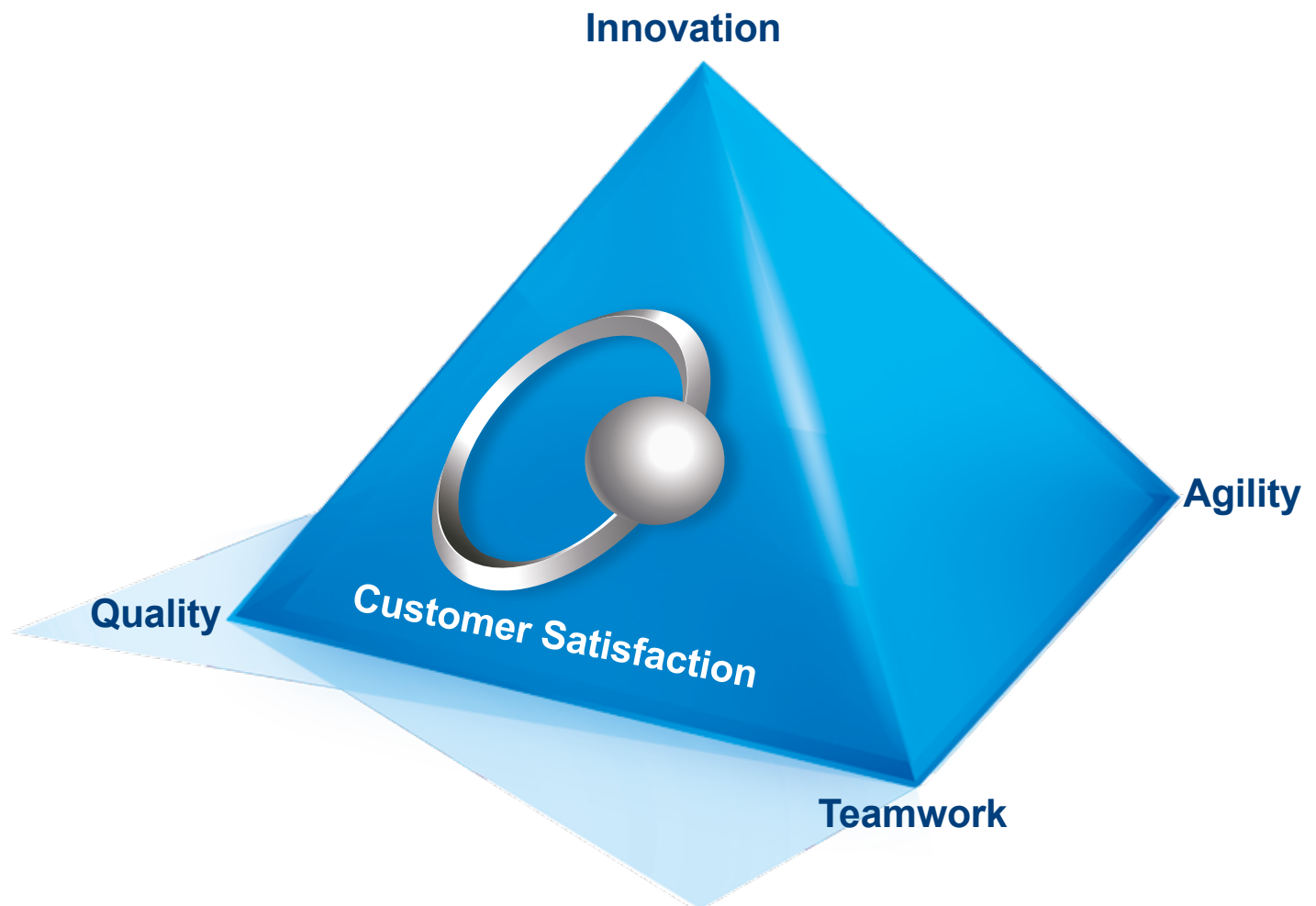
Identify emerging trends and act quickly to capture new opportunities.

## **Teamwork**

Fully leverage global value networks and collaborate to achieve mutual goals.

## **Customer Satisfaction**

Anticipate customer needs and exceed expectations.







## Brand Promise

Smarter. Greener. Together.

Delta is responding to a changing world in several ways. For global climate change, we have matched our corporate mission and culture to long-term trends. For new energy, we have made our core competencies in power efficiency and the renewable energy development. Due to the evolving economic landscape, we have increased our capabilities in technology, design, manufacturing, and responsiveness to partners.

At Delta, we believe in the power of technology and collaboration - by listening to our partners, we are able to serve their needs with our energy-

efficient products and systems. We recognize the importance of investing in technology for the future.

Delta's brand promise is "Smarter. Greener. Together." We believe in the importance of a greener, cleaner tomorrow. To make this a reality, we have dedicated our entire organization to developing innovative technologies that change the way energy is managed and consumed. With close collaboration among our partners, we can create a smarter, greener world together.

# Business Categories



## Power Electronics

- Embedded Power Supplies
- Mobile Power Supplies
- Fans and Thermal Management
- Electronic Components for ICT Equipment

Delta is the world's leading provider of switching power supplies and DC brushless fans, as well as a leading supplier of power and thermal management solutions.

We offer a diversified selection of power supplies, thermal management and electronic components and systems for use in an extensive range of portable devices, cloud computing equipment, home appliances, and medical-device applications. Our design customization services are also the first choice of leading OEMs / ODMs.



## Energy Management

- Industrial Automation
- Telecom Power Systems
- UPS & Datacenter Infrastructure
- Renewable Energy
- Automotive Electronics & EV Charging

Delta is a world-leading developer and supplier of telecom power systems, uninterruptible power supplies, medium-voltage drives, and solar and wind energy solutions. We are the number one provider of telecom power solutions in China, India, and Brazil, and a leading supplier in Europe, the Americas and the Asia-Pacific.

We are also one of the world's fastest growing providers of industrial automation products, systems, and solutions. Our factory automation applications cover a wide range of industries, including packaging, textiles, chemicals, electronics, plastics, printing, and pharmaceuticals. In addition, we are dedicated to advancing further into integrated solutions for factory and building automation with remote visual monitoring and management.

At Delta, we offer an extensive range of energy management products and regularly apply our advanced engineering capabilities to the design and / or customization of systems and solutions for applications in datacenters, renewable energy, electric vehicles, eco-friendly transportation infrastructure, green buildings, and more.



## Smart Green Life

- Networking Systems
- Display & Visualization
- LED Lighting
- Healthcare Devices
- Voice Intelligence Platform

Delta designs and manufactures high-end networking equipment for consumers and businesses based on IP networking for a variety of applications.

Delta is a pioneer in the design of projection displays. Built with our industry-leading optics and advanced micro-display technology, Delta displays span a variety of applications, including home entertainment, schools, control rooms, auditoriums, public information systems, and exhibition halls.

We offer an extensive range of environment-friendly consumer electronics products to provide greener, smarter, and healthier lifestyles to individuals, households, and businesses. With our long history in power electronics, we have helped to improve the energy efficiency of hundreds of products found in the home today.



## Embedded Power Supplies

Delta shipped its first switching power supply in the early '80s, and by 2002 it had become the world's largest provider of merchant switching power supplies with market shares of over 50% in the server power market. Delta has steadily increased the efficiency of power supply products and has introduced products with energy-saving features such as LED lighting power & ballasts, DC-DC converters, and LED backlight drivers for televisions.

1	1. DC-DC Converters for Telecom / Computing / Networking / Industrial Applications
2	2. LED Drivers
3	3. Computer Power Supplies
4	4. Networking / Server / Storage Power Supplies



## Mobile Power Supplies

Delta is the world's leading company for mobile power supplies, providing reliable, compact and high-efficiency power supplies for notebooks, portable devices, and other external power source applications. We produce over 80M notebook adaptors per year for well-known global IT companies, using environmentally friendly design concepts.

Newly established Delta branded industrial power supplies are also gaining popularity in the market.

1	1. Mobile Adapters
2	2. Industrial Power Supplies
3	3. Medical Power Solutions





Fans & Thermal Management

Delta is widely recognized as the world’s leader in the brushless DC fans and blowers industry. Known for its innovative engineering capability, Delta supports our customers with high quality, high capacity, yet flexible production.

Delta is the first fan supplier that brought multi-blades axial fans and counter-rotating multiple rotors axial fans to the industry. The technology greatly improves the airflow in high back-pressure application. Delta is the leader in the super slim blower development. Our technology is an important factor that makes the Ultrabook computer possible.

1	1. Server, Storage, Industrial, and Consumer Devices Fans and Blowers
2	2. Heat Exchangers, Ventilation Fans, Fan Trays, and Thermal Products
3	3. Portable Device Fans and Blowers



Electronic Components for ICT Equipment

Delta is a world leading supplier of passive and magnetic components widely used in portable devices, cloud computing equipment, smart home applications, and a variety of other market segments. We offer a broad spectrum of components including miniature resistors, power-magnetic components, fiber optic transmission modules, networking components, and microwave and wireless communication components. With our highly automated manufacturing operations, our magnetic components production capacity is over 10 billion pieces per year.

1	2	1. Power Chokes (0.32A~110A) Minimum Size 1210mm for Portable Devices / Cloud Computing Equipment
3		2. Miniature Resistors Minimum Size 0201mm for Portable Devices / Cloud Computing Equipment
		3. Data Networking and Telecom / Broadband Components





## Industrial Automation

Since the launch of our first AC motor drive product in 1995, Delta has been dedicated to quality, reliability, and excellence to realize our commitment to “Automation for a Changing World.” We focus our expertise on drive and power, sensor and control, and motion. We integrate our industrial automation products, develop industrial control networks, and offer integration services to our clients around the world.

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5		

1. AC Motor Drives
2. AC Servo Motors & Drives
3. Programmable Logic Controllers
4. CNC Machine Tool Solutions, Including CNC Controllers, Servo Drives, and Spindle Motor Drives
5. Medium Voltage Drive Series



## Telecom Power Systems

Telecom power systems ensure power to telecom equipment to protect against grid power interruptions and outages. Delta's power systems are designed for wireless broadband access and fixed-line applications, as well as for Internet backbone and datacenter. We provide reliable and energy-efficient telecom power solutions to help operators reduce OPEX and carbon footprints. Our rectifiers achieve an industry-leading energy efficiency of up to 97.2%.

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1. Controllers
2. DC Power Rectifiers
3. Shelf Powers
4. Outdoor Telecom Power Systems



## UPS & Datacenter Infrastructure

To ensure the continuity of our customers' mission critical operations while reducing their Total Cost of Ownership (TCO), Delta provides highly reliable and efficient products from UPS (uninterruptible power supplies) to datacenter infrastructure solutions – InfraSuite, with a comprehensive range of services.

1	2	1. InfraSuite Datacenter Infrastructure Solutions 2. Active Power Filters 3. Uninterruptible Power Supplies
	3	



## Renewable Energy

With our core competencies in power management, Delta is rapidly expanding into renewable energy. We provide best-in-class, high-efficiency solar and wind energy systems and products including PV inverters, converters for wind turbines, turbine controllers, and much more.

Our PV inverter delivers the world's highest power efficiency of up to 98.5%.

1	2	1. PV Inverters 2. Turbine Control interfaces (TCI) 3. Converters for Wind Turbines
3		



## Automotive Electronics & EV Charging

By leveraging its power electronics and automation technologies, Delta automotive business provides reliable and efficient EV/HEV powertrain solutions and power electronics components including DC/DC Converters with an industry-leading 96% energy efficiency. Delta is also your partner for smart EV charging infrastructure worldwide. We offer a complete range of proven EV charging solutions including DC Quick Chargers, AC chargers, and management systems.

1	4	1. Lithium-ion Battery Pack with Management Systems 2. AC/DC On-board Chargers and DC/DC Converters 3. Electric Motors & Power Control Units 4. EV Chargers & Charging Network / Site Management Systems
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## Networking Systems

Delta is a leading networking equipment supplier. We continue to develop a rich product portfolio ranging from Enterprise/Telecom grade Ethernet switches to SOHO/SMB broadband networking peripherals and equipment. Committed to providing competitive solutions, we strive to ensure our partners' success in the rapidly-changing marketplace.

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1. Broadband Communication
2. Wireless Communication
3. Switch Networking



## Display & Visualization

Delta provides a wide range of visual displays including large venue projectors (ultra-high brightness of up to 30,000 lumens), home theater projectors, and business presentation projectors. For control rooms and public information display systems, Delta offers innovative high brightness projection cubes and distributive vision control systems (DVCS) for large area video walls.

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1. "Qumi" LED HD Pocket Projectors  
6.3" x 4.03" x 1.27", 1.1lbs
2. Extreme Short Throw/Educational Projectors
3. Large Venue High-end Business Projectors



## LED Lighting

Delta's LED lighting offers advanced technologies, reliable quality, on-time delivery, optimized design, and active services to customers through the three product applications of street lighting, retrofit lamp, and luminaire. We also have LED boards and drivers available for flexibility in meeting industry demand.

1	3	1. Street Lighting
2		2. Retrofit Lamps
		3. Luminaires



## Healthcare Devices

Delta established an R&D product team for handheld healthcare devices in 2005, and shipped our first products in 2010, which included Glucose Meters, Fingertip Pulse Oximeters, and Handheld Pulse Oximeters. We offer customers flexible ODM/OEM services with excellent quality, and we continuously invest in advanced and innovative healthcare product development to support a healthy "Smart Green Life."

1	2	1. Oximeters
		2. Blood Glucose Meters



## Voice Intelligence Platform

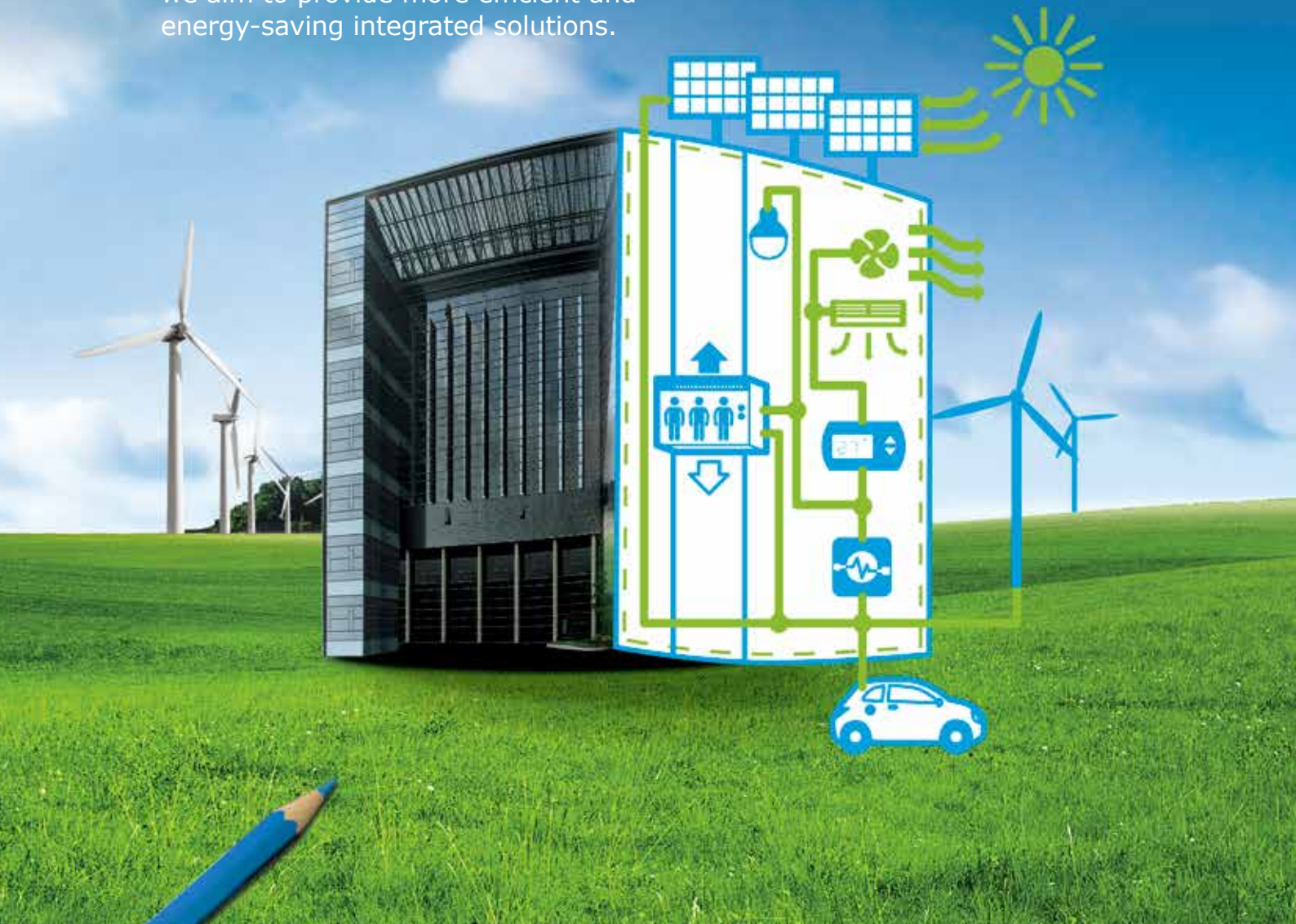
Adapted from MIT spoken language technology beginning in 2000, the Delta Voice Intelligence Platform (VIP) offers innovative, intelligent, and intuitive solutions that integrate the most advanced speech recognition and speech analytics technologies. Our solutions are widely used in telecom, finance, healthcare, and government.

1	- Speech Recognizer - Speech Analyzer
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# Green Solutions

To build a better world for future generations, we aim to provide more efficient and energy-saving integrated solutions.



We integrate all of Delta's technologies and products, and match software with hardware to create smart, green, and cost-saving solutions. With in-depth understanding of customer's needs and the core technology to meet them, Delta has successfully delivered total integrated solutions that help our customers increase productivity and competitiveness all over the world. Our major solutions include:

- Industrial Automation Solutions
- Building Automation Solutions
- Datacenter Solutions
- Telecom Network Energy Solutions
- Renewable Energy Solutions
- Display and Monitoring Solutions
- EV Charging Solutions



# Industrial Automation Solutions



Delta has applied its knowledge and technology in automatic control and electric power to expand our automation products, systems, and solutions for application in a broad range of industries including packaging, textiles, chemicals, electronics, printing, and pharmaceuticals.

As a leading industrial automation brand, and as a reliable partner to worldwide customers, we provide efficient and reliable solutions in factory automation, process automation, and machine automation for winning companies.

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1. With about 600 worldwide distributors, we provide global services to increase our customers' productivity and competitiveness
2. Automation solutions for the world's largest bus and coach manufacturing base
3. Power quality improvement solution with 30% energy recovery rate for container cranes in one of the world's busiest ports
4. Delta offers industrial users compact, efficient and user-friendly integration and control mechanisms for motion systems and robot arm applications

# Building Automation Solutions



Delta provides customers with a safe, comfortable, healthy, energy-saving, productive, and sustainable building. Delta incorporates building automation and information communication technology to assist customers in making better use of their existing energy-consuming assets and to create transparency for energy performance.

Delta's building automation solutions integrate: renewable energy systems, energy management systems, real-time monitoring systems, power quality improvement systems, lighting management systems, HVAC management systems, elevator systems, and more. Our HVAC management systems and our elevator systems equipped with energy regeneration technology can both achieve energy savings of up to 52%.

1

1. Our building automation solutions have been successfully applied in Delta Taoyuan Technology Center, a LEED Gold certified green building with 53% energy savings



# Datacenter Solutions



With over 40 years of leadership in the core technologies of power electronics, the expert teams at Delta have developed a new generation of datacenter infrastructure solutions: InfraSuite.

Delta InfraSuite Datacenter Infrastructure Solutions include power systems, rack & accessories, precision cooling, and environmental management systems. We support customers in building customized, reliable, flexible, manageable, and efficient datacenters with energy savings of over 25%.

Our InfraSuite Datacenter Infrastructure Solutions have been chosen by many well-known companies in computer services, telecommunications, transportation, manufacturing, and other customers from various markets around the world.

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1. Delta InfraSuite Datacenter Infrastructure Solutions are the power behind our customers' competitiveness
2. We provided the complete InfraSuite Datacenter Infrastructure Solutions, including UPSs, power systems, server racks, precision cooling, and environmental management systems for a broadcasting station in China
3. Our InfraSuite Datacenter InfraStructure Solutions have been successfully applied in Delta Shanghai Headquarters' green datacenter, which has achieved Green Grid's green datacenter gold level
4. Green datacenter solutions with a complete PV system installation for the leading fixed-line operator in Poland



# Telecom Network Energy Solutions



Delta is a key telecom network energy solutions provider for the world’s major telecom operators. We provide leading power management solutions that incorporate power solutions with control, management, and cooling systems to fulfill all kinds of applications for customers.

With our advanced cooling and power management technologies, we offer power solutions with energy savings of over 33.4% for Base Transceiver Stations (BTS). To ensure reliable telecom services in areas where mains power is unreliable or unavailable, our hybrid energy solutions can provide any combination of solar power, wind turbines, diesel generators, and fuel cells.

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1. Delta is the world’s leading company in telecom network energy solutions, providing a broad range of power systems and global services to telecom operators, network manufacturers and integrators
2. Our advanced cooling technologies allow a major European telecom operator to save more than 80% in energy used for cooling
3. Delta built the first fuel cell powered telecom tower in India
4. In Togo, Africa, our hybrid energy solution helped our customer decrease fossil-fuel dependency and cut base station OPEX by 60 percent

# Renewable Energy Solutions



As a renewable solutions provider, Delta offers a full range of professional Engineering, Procurement, and Construction (EPC) services to satisfy various needs. Well known for our BIPV project at 2009 World Games Stadium in Kaohsiung, Taiwan, we provide a one stop shopping service that covers site survey, feasibility study, subsidy application, system design, material procurement, system construction, interconnection, and commissioning for all types of PV systems including rooftop, large-scale ground mounted, and off-grid systems. Delta also delivers great value and efficiency for green construction with small wind energy systems that are compact and produce minimal noise.

With an optimized system design plan, well-trained workforce, and proven component quality, Delta is committed to not only the enhancement of professionalism, but also to the best interest of the customer.

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1. Delta delivered PV turnkey solutions for Haining Leather City in Zhejiang Province, the largest distributed grid-connected PV rooftop system (3.6MWp) in China
2. Delta's small wind energy systems were successfully applied in Namasia Elementary School, a "Diamond-Rated" green building in Taiwan
3. Delta built a PV system for the 2009 World Games Stadium in Taiwan, the largest BIPV solar-powered sport stadium in the world
4. Delta installed a 1.15MWp PV system for a food distributor in California, USA



# Display and Monitoring Solutions



Delta provides professional system integration services, utilizing display and interactive technologies for customers who need customization for large exhibitions, tradeshow, and more. These include applications for touch, image recognition, remote monitoring, and other display-centric customization projects.

We are also a pioneer in professional control room visualization and monitoring solutions, which include our leading distributive vision control systems (DVCS), video walls, and high-resolution projection. Delta's new generation of industry intelligent monitoring & management system iPEMS™ provides real-time monitoring and management systems with more than 10 million data points that allow customers to significantly increase management efficiency.

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1. The "Ring of Celestial Bliss," a 10-meter high, 70-meter wide, and 270° curved HD projection structure with professional LED lighting, is world's largest festival lantern
2. 3D Outdoor Projection of London 2012 Olympics at the Ximen Red House, a well-known historical site in Taipei, Taiwan
3. "Dwelling in the Fuchun Mountains," a famous Chinese landscape painting, was vividly brought to life through Delta's high-end projectors, 3D, and advanced display fusion technology
4. iPEMS won the 2012 China International Industry Fair Recommended Product



# EV Charging Solutions



With over 40 years of expertise in power conversion and management technologies, Delta delivers the most energy efficient EV Charging Solutions with a complete product line offering including:

- Delta Electric Vehicle Supply Equipment (EVSE): efficient, reliable, and user-friendly AC Chargers and DC Quick Chargers for various charging demands and installations.
- Delta Site Management System (SMS): features a web-based graphical user interface (GUI) for easy remote setup, management, and maintenance for site management.
- Delta Charging Network Management System (CNMS): provides smart and centralized management for EV charging networks with multiple system integration capabilities and scalability.

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1. Delta provided 94% efficient DC quick chargers for the Ishavsveien EV charging network in Norway
2. Delta's solutions are applied in the first residential EV charging station in Taiwan
3. In collaboration with Hotai Motor, the first overseas distributor of Toyota Motors, Delta is providing EV charging solutions for Taiwan's first EV car sharing project at the Sun Moon Lake National Scenic Area
4. Delta set up Taiwan's first pan-specification EV charging station with a site management system which can optimize power charging planning based on power-use conditions

# Success Stories

We are working with our global business partners to make the world a smarter and greener place. Some of our recent collaborations include automation & energy-saving solutions for a fashion chain store in Europe, and 20 MWp PV system integration services for a paper production company in China.



Display and monitoring solutions for the Oregon Dept. of Transportation's command center in the U.S.A



Solar tracking systems for a power plant in the U.S.A



Telecom power solutions for major telecom carriers in the Americas



Automation and energy-saving solutions for a fashion chain store in Europe



EV charging solutions for a charging network in Norway



First fuel cell powered telecom tower in India



First EV charging solution in Thailand



UPS solutions for the largest internet service provider in Russia and the CIS



PV systems for a 2MWp solar plant on Awaji Island in Japan



Building energy management for a smart building project at Tohoku University in Japan



Building automation solutions for the Delta Taoyuan Technology Center in Taiwan



DLP video wall solution of 200 60-inch cubes (the most cubes) for a railway control center in China



Display and management solutions for the city power grid systems in northeast China



Manufacturing execution systems for a leading textile company in China



Datacenter and telecom power solutions for leading telecom operators in China



20MWp PV system integration services for a big paper company in China



# Corporate Social Responsibility

For Delta, Corporate Social Responsibility means more than just being an effective business. It is also about leveraging our core capabilities to give back to society, and making concrete contributions to the environment.

Delta constantly improves the energy efficiency of our products and helps our customers realize energy and cost savings. We have helped our customers save nearly 9.3 billion kWh of electricity and have reduced carbon emissions by about 5 million tons of CO<sub>2</sub>e from 2010 to 2012.

Delta employs energy management in the daily operations of our sites around the

world. In July, 2011, Delta's Dongguan plant in China became the first power and components electronics enterprise in the world to officially pass the conformity evaluation for the Energy Management System of the International Organization for Standardization (ISO) 50001. Our Thailand plant also passed ISO 50001 certification that September, making it the first company in Thailand to do so. The efforts of Delta's employees at our global sites, along with Delta's implementation of energy-saving solutions saw our electricity intensity (electricity consumption per unit of output value) drop by 34.3% compared to that of 2009.

## CSR Honors and Awards



2011/2012, 2012/2013  
Dow Jones Sustainability Indexes  
2012/2013 Electronic Equipment Sector Leader

2011-2012  
Taiwan Top 20  
Global Brand

2012 Outstanding  
Enterprise  
Award for CSR  
from China  
Business News

2005-2007,  
2011-2013  
Global Views Magazine  
CSR Award

2012 Thailand Prime Minister's  
Best Industry Award

2010  
Ernst & Young  
CSR Entrepreneur  
of the Year

2007-2012  
CommonWealth  
Magazine CSR Award

2007-2008 Forbes Asia's  
Fabulous 50 Award

2007 World's first company - wide  
Green Map Recognition from  
Green Map System

2010 -2013  
China Top 100  
Green Companies



# Green Buildings

Ever since Delta built its first green building/factory at the Tainan Science Park in 2006, Delta has understood that green buildings can effectively reduce environmental and ecological impact. As a "Diamond-Rated" green building, the office was the first building in Taiwan awarded the certification for all nine indicators of the Taiwan Ministry of Interior's Green Building EEWH Rating System. The office not only consumes less energy and water, but gives colleagues a healthier and more comfortable work environment. With such a precedent, we now promise that all newly constructed Delta buildings will only be green buildings.

The Delta Taoyuan Technology Center, completed at the end of 2011, showcases our company's new energy-saving and industrial automation products, control systems, and solutions. This green building also makes use of PV systems, LED lighting, water resource processing, and renewable energy

equipment. The energy-saving installations save 53% on electricity use and cut water consumption by 75%.

Delta is not only committed to building only green offices / plants, but also to donating only green buildings. A good example is the Min-Chuang elementary school that Delta helped rebuild in Kaohsiung County's Namasia District after Typhoon Morakot. The school is 65% more energy efficient than conventional school buildings of the same size. By using Delta's PV and wind power generation systems, the school library can achieve "sustainable zero energy consumption," while it provides students with a comfortable and green learning environment. In addition, Delta sponsored four consecutive Delta Cup International Solar Building Design Competitions (2007-2013), and reconstructed the Delta Sunshine Primary School in Yangjia Town, Sichuan Province, based on the winning design of the 2009 competition.



**Taoyuan Technology Center**  
LEED Gold / EEWH Gold

Delta's green offices / plants and donated buildings together have received 4 LEED and 5 EEWH certifications.

The annual electricity savings from Delta's green offices / plants is about 8 million kWh.



**Delta Tainan** EEWH Diamond



**Delta Gurgaon** LEED Platinum



**Delta Rudrapur** LEED Gold



**NCKU Magic School**  
LEED Platinum / EEWH Diamond



**NTHU Delta Hall**  
EEWH Bronze



**Namasia School**  
EEWH Diamond



Taipei, Taiwan



Shanghai, China



Wujiang, China



Dongguan, China



Tokyo, Japan



Bangpoo, Thailand



Gurgaon, India



Singapore



Amsterdam, the Netherlands



## Contact Information

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## Global Operations

Delta has sales offices worldwide and manufacturing plants in many countries. In 2013, Delta Group had 106 sales offices, 31 plant sites, 54 R&D centers, with over 7,500 R&D engineers throughout the world.

	Asia-Pacific (China)	Americas	EMEA	Total
Sales Offices	73 (42)	14	19	106
Plant Sites	28 (19)	2	1	31
R&D Centers	40 (23)	6	8	54



Soest, Germany



Dubnica, Slovakia



Fremont, USA



Raleigh, USA



Curitiba, Brazil

### Delta Electronics (Thailand) Public Co., Ltd.

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