

EMEA Partner Event

Grand Palais in Paris 2015

Yancey Hai

Chairman

Delta Electronics, Inc.

December 8, 2015



Content

Delta's Performance & Leadership

Delta's Strategic Direction

Delta as a Global Citizen

2014 - 2015 Business Performance



Business Development

Worldwide sales revenue in 2014
US\$7.523 billion & GAGR: 32.6%



Brand Value

Taiwan Top 20 Global Brand
for 5 consecutive years with
Brand value of US\$199 M in 2015

MEMBER OF
**Dow Jones
Sustainability Indices**
In Collaboration with RobecoSAM 

Global Citizen

DJSI World Index for 5 consecutive
years, Sector Leader in 2015



Power Electronics

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



Energy Management

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



Smart Green Life

- Networking Systems
- Display & Visualization
- LED Lighting
- Healthcare Devices
- **Innertek**
- **vivitek**

Leader in Energy Efficiency

Delta continuously improves the energy conversion efficiency of its technology for the benefit of the IT and ET sectors



Developed the world's first
80 Plus Titanium server power -

96%

Energy efficiency



World's highest efficiency
telecom power -

97.5%

Energy efficiency



World's highest PV inverter -

98.7%

Energy efficiency



Telecom Power

No.1 telecom power provider with
energy efficiency of 97.5%





Green Datacenters

World's No.1 server power provider
World's first 80 Plus Titanium server power
of 96% energy efficiency



10,000+ solar tracking systems with 1.5 times higher accuracy than industry average for large CSP power plant in the USA



388 EV charging stations with 1,000 DC chargers and site management system in Norway



Visualization solutions with IoT technology for surveillance, traffic, and energy management





Industrial Automation

Reliable and scalable industry automation solutions to boost productivity



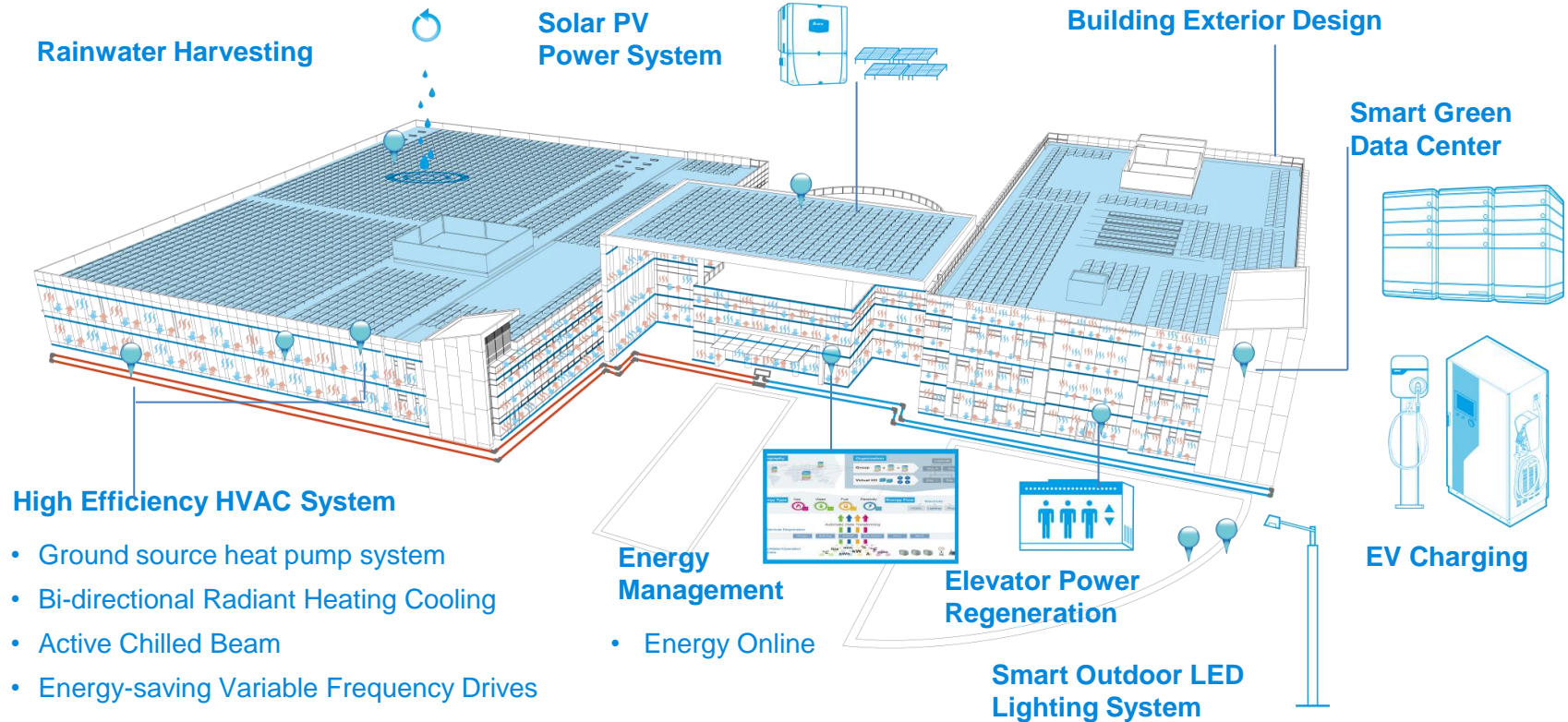


Delta Americas Headquarters

The First LEED Platinum and Net-zero Energy Building
in Fremont, Ca, USA.

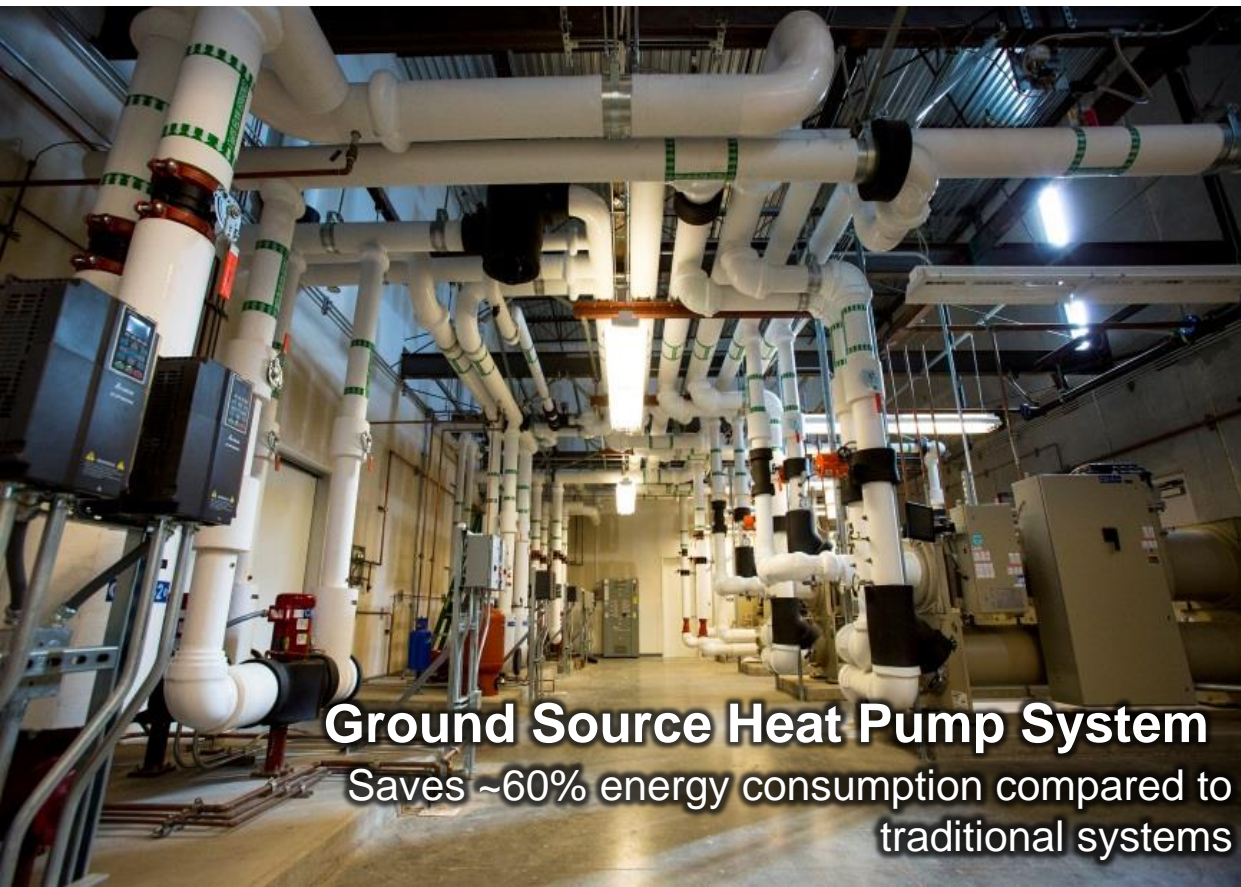


Green Features Overview





Delta Americas Headquarters - HVAC



Ground Source Heat Pump System
Saves ~60% energy consumption compared to traditional systems



**Bi-directional
Radiant Heating
Cooling**



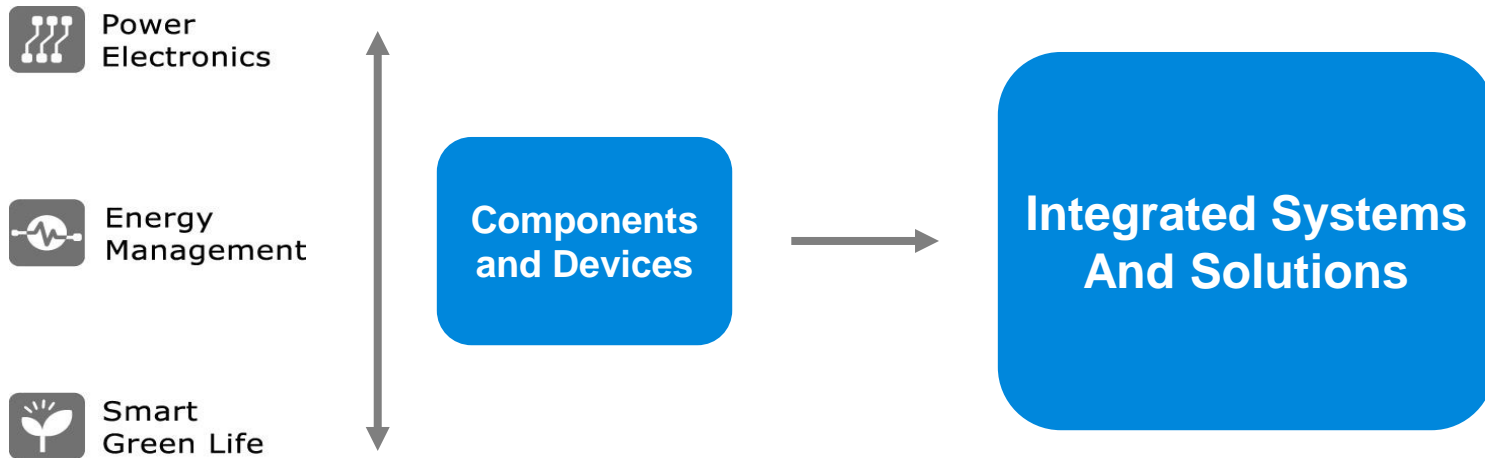
Active Chilled Beam



**Variable Frequency
Drives**

Delta's Strategic Direction

Delta's Strategic Direction



**By integrating advanced power electronics applications,
we can provide higher overall efficiency to customers**

Commitment to Innovation

6% of the group's annual revenues go to research and innovation
Over 7,000 engineers at around 60 R&D centers worldwide



Taiwan (2015)
Delta Innovation Award



Singapore (2015)
Delta-IBN Life
Science and Diagnostics Lab

Innovation Mechanism from Idea to Market



Success case:
Customized energy management system



Success case:
EV charger business that became an industry leader within 5 years



M&A for Globalization



Unique synergy to leverage engineering, sales and global operations platforms from each other



Delta as a Global Citizen



International Recognition

MEMBER OF

**Dow Jones
Sustainability Indices**

In Collaboration with RobecoSAM 

Delta was named to the DJSI World Index for 5 consecutive years; Sector Leader in 2015



Delta is the only company from the Greater China Region to be listed in the Climate Performance Leader Index (CPLI)

Delta has Committed to “We Mean Business”



Commit to report climate change information in mainstream reports as a fiduciary duty

74



Commit to responsible corporate engagement in climate policy

46



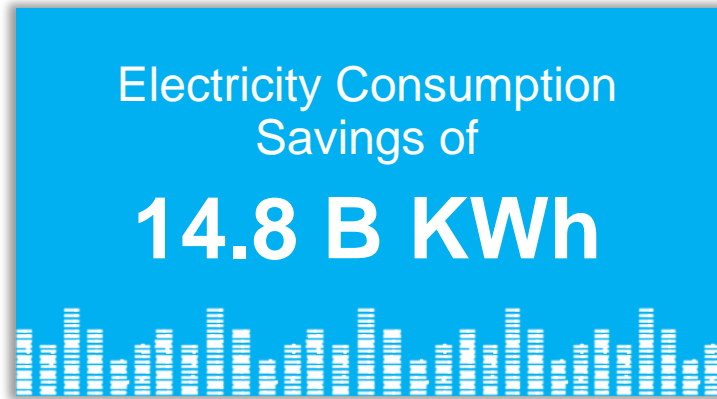
Commit to adopt a science based emissions reduction target

51

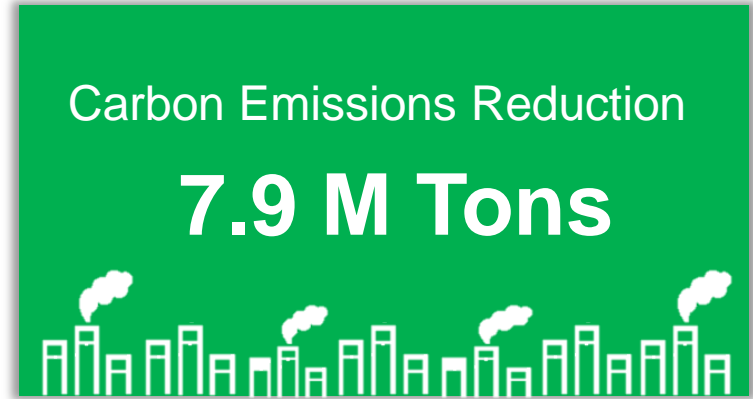
 Numbers of companies with a commitment to climate action

Delta's Contribution

From 2010 to 2014,
Delta's high-efficiency products shipped worldwide enabled:

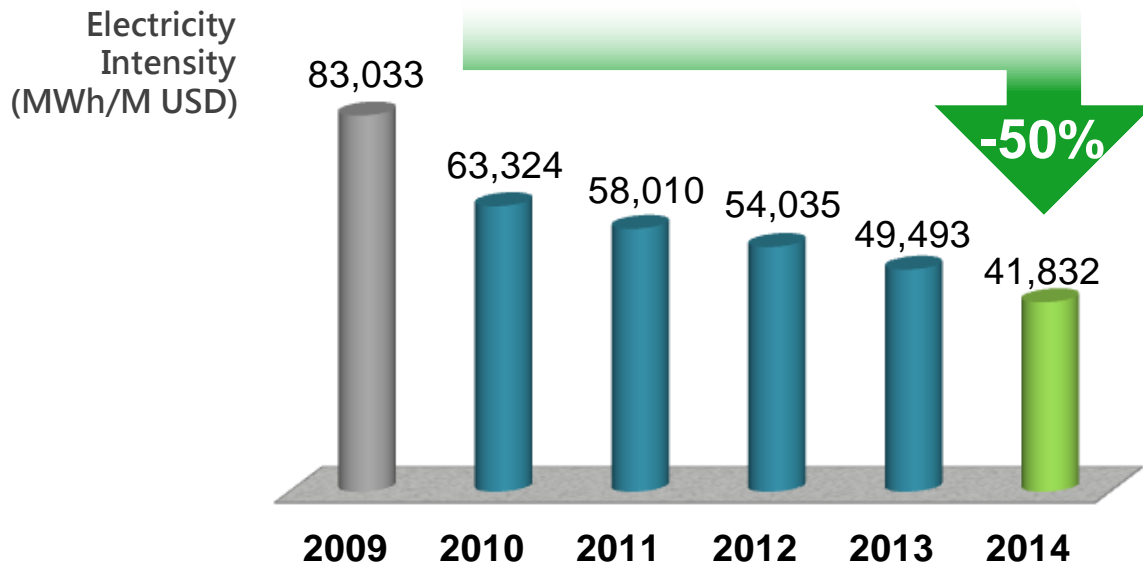


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Energy-saving Achievements

**Delta reduced the electricity intensity of its major plants
by 50% from 2009 to 2014**



Baseline: Same scope of buildings and output values in 2009

Further 30% reduction in electricity intensity by 2020



Factories **30%**
Electricity
Intensity



Datacenters **30%**
Power Usage
Effectiveness

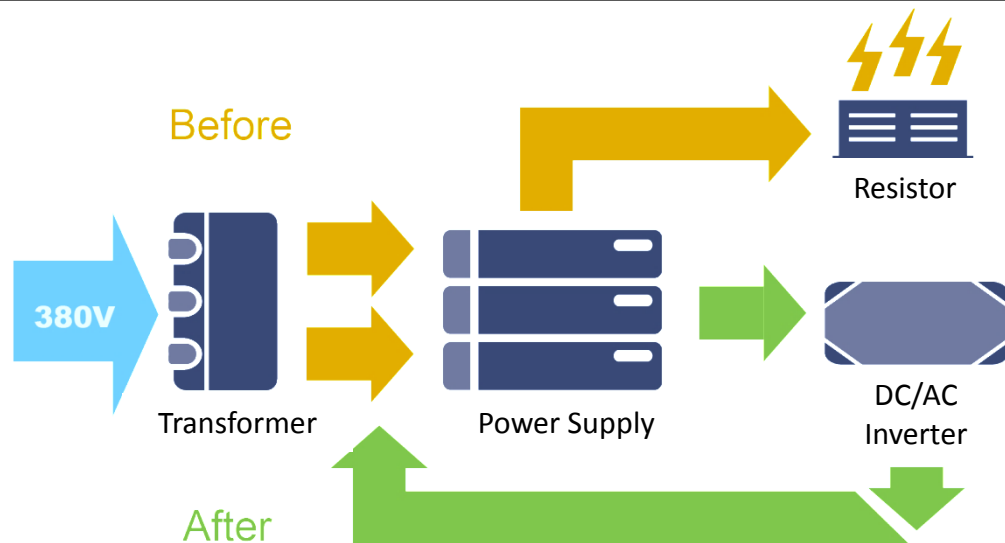


Offices **30%**
Energy Use
Intensity



100+ energy-saving projects every year

Factories 30% 
Electricity Intensity

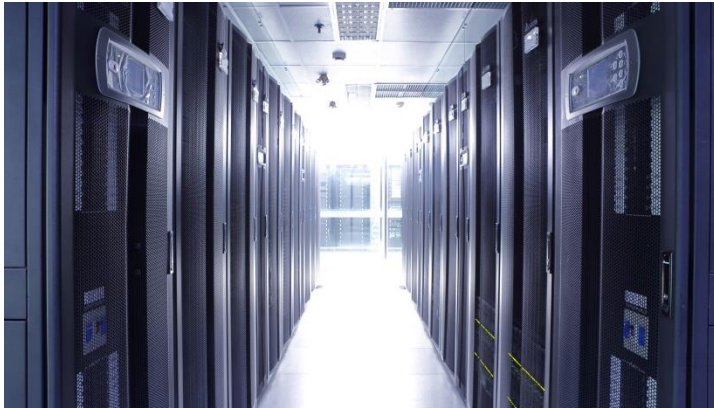


Burn-in Energy Recycling
- By using Delta's DC/AC Inverter
- **-80%** Energy savings

Datacenter Energy Savings

Delta's Taipei HQ datacenter
• PUE of 1.39

Datacenters 30%
Power Usage Effectiveness 



Taipei Headquarters Datacenter

- Cold-air / Hot-air aisle containment
- Leverage HVAC system of the building
- Free cooling technologies
- Environment management system

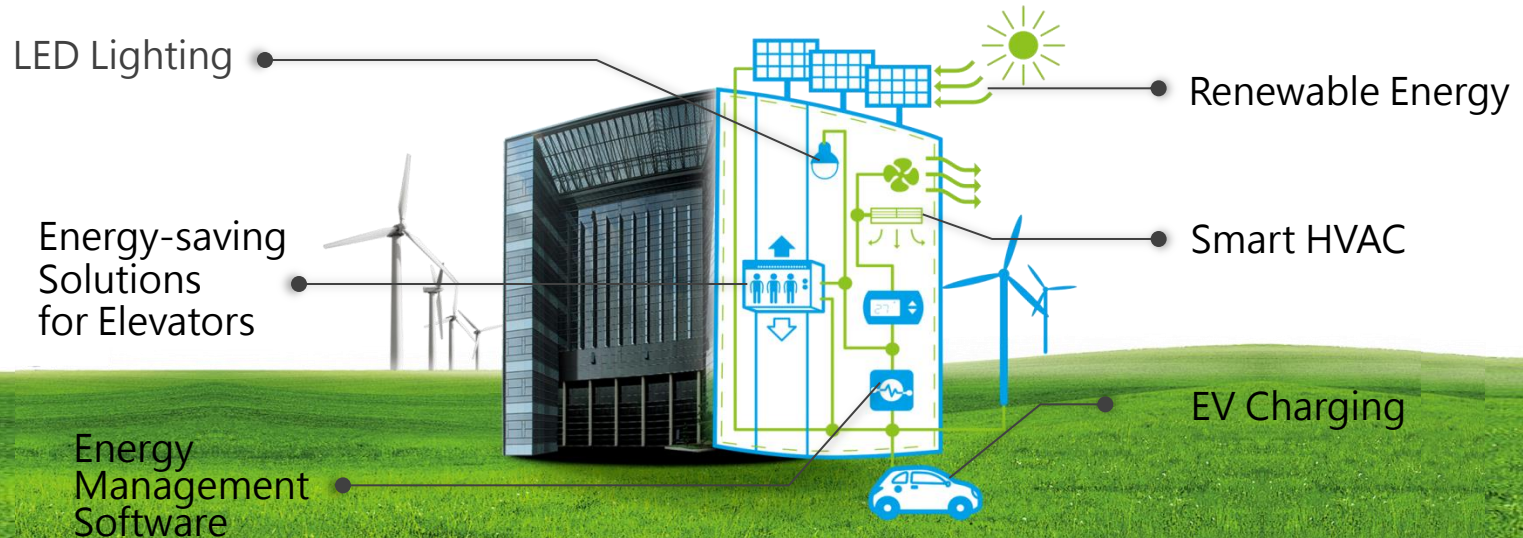


Building Energy Savings

The Delta Technology Center




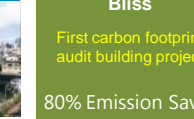
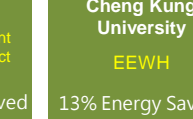
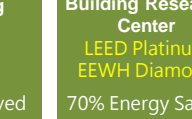





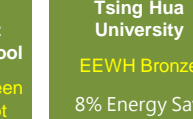
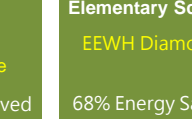





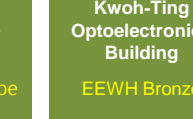


- EUI: 128.1
- Electricity savings: 47%

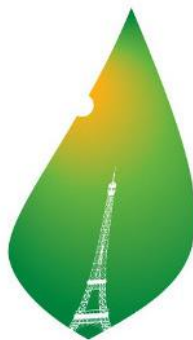
Offices 30%
Energy Use Intensity



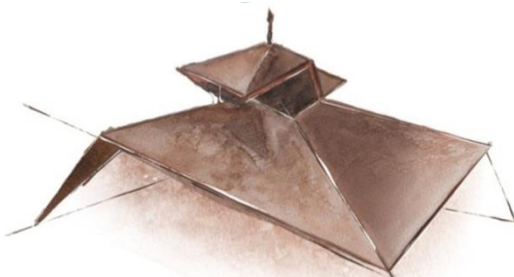


From 2006~2015 Delta Built and Donated 21 Green Buildings

<p>Tainan Plant (Phase I) EEWH Diamond</p> <p>19% Energy Saved</p> 	<p>Tainan Plant (Phase II) EEWH Diamond</p> <p>50% Energy Saved</p> 	<p>Taoyuan Technology Center LEED Gold EEWH Gold</p> <p>47% Energy Saved</p> 	<p>Ring of Celestial Bliss</p> <p>First carbon footprint audit building project</p> <p>80% Emission Saved</p> 	<p>Delta Building in Cheng Kung University</p> <p>EEWH</p> <p>13% Energy Saved</p> 	<p>Y.S. Sun Green Building Research Center</p> <p>LEED Platinum EEWH Diamond</p> <p>70% Energy Saved</p> 	<p>Delta Sunshine Primary School in Yangjia Town Delta Solar Building Design Competition First Prize</p> 
<p>Shanghai Operation Center</p> <p>LEED Gold</p> <p>39% Energy Saved</p> 	<p>Gurgaon Plant</p> <p>LEED-India Platinum</p> <p>53% Energy Saved</p> 	<p>Rudrapur Plant</p> <p>LEED-India Gold</p> <p>73% Energy Saved</p> 	<p>Historical Lecture Hall of the Taichung First Senior High School</p> <p>Restoration in Green Building Concept</p> 	<p>Delta Hall in Tsing Hua University</p> <p>EEWH Bronze</p> <p>8% Energy Saved</p> 	<p>Namasia Mincyuan Elementary School</p> <p>EEWH Diamond</p> <p>68% Energy Saved</p> 	<p>Delta Sunshine Junior High School in Longmen Delta Solar Building Design Competition First Prize</p> 
<p>Taoyuan V. Plant</p> <p>LEED Gold EEWH Gold</p> 	<p>Delta Americas Headquarters</p> <p>LEED Platinum</p> 	<p>Taipei Headquarters</p> <p>EEWH-RN Diamond</p> <p>58% Energy Saved</p> 	<p>Orchid House</p> <p>2014 Solar Decathlon Europe</p> 	<p>Kwoh-Ting Optoelectronics Building</p> <p>EEWH Bronze</p> 	<p>Vertical Village at Tongli Lake</p> <p>Delta Solar Building Design Competition First Prize</p> 	<p>Low carbon village Qinghai</p> <p>Delta Solar Building Design Competition First Prize</p> 



PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21•CMP11



DELTA 21
Green Buildings at COP