

Charting Change in the Workplace and Impacting 60,000

Delta Electronics | vincent.chen@delta-foundation.org.tw

<http://www.delta.com.tw/csr/greenmap.asp>

Author: Vincent Chen, Delta Electronic Foundation

Background: Raising the Morale of Employees

Around the world, most people work, but how much do they know about their work environment and their relationship with it? In 2006, Delta Electronics Foundation sought a new way to respond to these questions. In collaboration with the Society of Wilderness, we introduced Green Map System's concepts to Delta Electronics Inc., a company with over 60,000 employees in over 35 locations around the world. With emphasis on energy and carbon reduction issues, Delta's aim was to enhance employees' overall environmental awareness and to encourage each individual to understand their ability to reduce global warming.

In 2006, the project got underway in five factory and office facilities in Taiwan and the mapping helped identify and implement ways to save resources and CO₂. With good outcomes, sites in Asia, Europe, and North America got involved. In June 2007, Delta held

Pond habitat for indigenous wildlife



a best practices exchange and the company's Green Mapmakers from Taiwan, China, Japan, Thailand, US, and Netherlands gathered together to share their experiences and to tour extensive working and living facilities at our Wujiang, China plant. Delta's Green Maps chart areas ranging from a single floor of an office building to a 20,000-employee campus with a dozen buildings. Important environmental sites, such as an electric power recycling system, the plant's greenery, employee living areas and recycling achievements were presented on the maps.

By highlighting these green living resources and the company's commitment to environmental protection, the maps encourage employee and public participation in sustainability. The most impressive data is the amount of CO₂ emissions reduced as part of the process which can be found at the top of every Green Map. This is an achievement that can be appreciated by all.

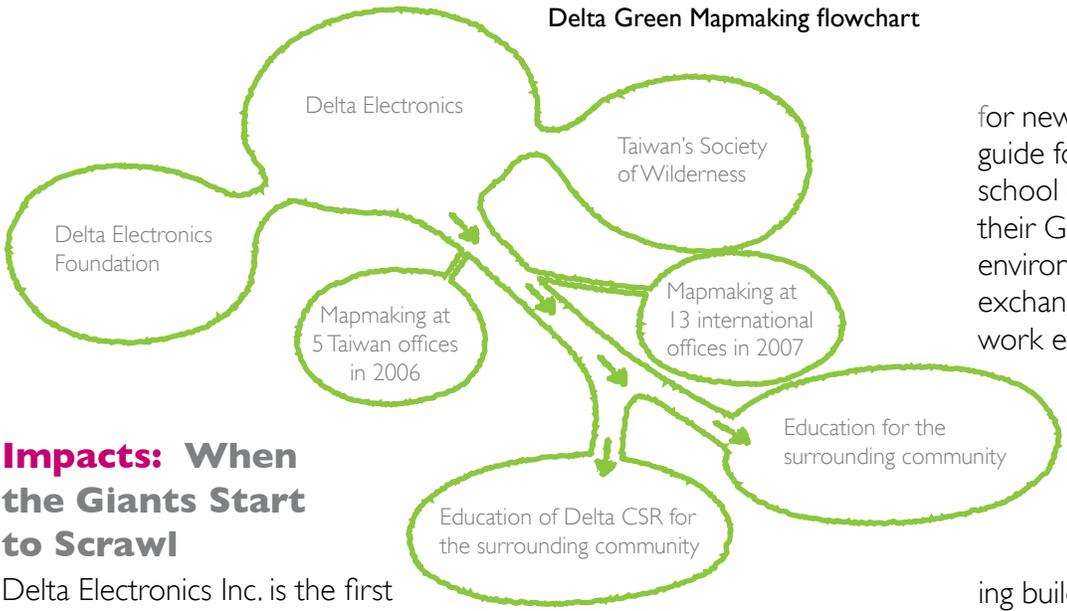
Solar PV system generates clean energy



A total of 336,211 Kg of CO₂ were saved through the process of creating Delta's Taipei Office Building Green Map



Delta Green Mapmaking flowchart



Impacts: When the Giants Start to Scrawl

Delta Electronics Inc. is the first company in the world to adopt Green Map System as a tool to conduct internal environmental education and facilitate work efficiency improvements across the board. Delta's Green Maps are used as a platform to help its employees understand their work environment and issues related, not only to industrial safety, but also regarding employee wellbeing, energy and resource conservation. As a result, production costs and pollution have decreased, and at the same time, productivity and profits have increased. Furthermore, each Green Map aids in fulfilling important issues concerning Delta's commitment to corporate social responsibility (CSR).

Delta's Green Map has had the support of Delta's founder, Mr. Bruce Cheng and CEO Mr. Yancey Hai since the onset of the program.

Delta completed 13 maps charting their factories and offices worldwide in one year. Both the maps, created voluntarily by employees, and the overall mapmaking efforts were recognized by staff members at all levels.

Some of Delta's large-scale manufacturing facilities use their Green Maps as an orientation tool

for new employees and as a tour guide for visitors, including local school children. Employers can use their Green Maps to share their environmental understanding and exchange ideas that make their work environment more energy efficient and healthier. One example: Delta's green building factory in Tainan, Taiwan has been so well received by the public that there are visitors request-

ing building tours on a daily basis. This story is not yet finished. Utilizing the lessons learned from this project, Delta Electronics continuously strives to improve their employees' work environment. More recently Delta has launched an e-learning program that provides new employees the opportunity to learn how to make a Green Map, and bring its positive impacts to their homes.



(Above) Delta's interactive online e-learning tool is linked to GreenMap.org/csr

Delta's Green Mapmakers in Taiwan (left) and Japan (right)