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[\[Green Energy\]\[Sci-tech Policy\] NSC Plans to Set Solar Battery Laboratory to Enhance Competitiveness of Taiwan's Green Energy Industry](#)

[Green Energy][Sci-tech Policy] NSC Plans to Set Solar Battery Laboratory to Enhance Competitiveness of Taiwan's Green Energy Industry ([Chinese Version](#))

RTI (2011/01/20) NSC announced on January 20 that an organic solar cell research and measurement laboratory will be set beginning in this year in order to enhance the research and development capacity and the competitiveness of Taiwan's solar power batteries industry in the globe. The laboratory aims at supporting the researches in the academics and the industries and offering sufficient and internationally standard verification technology for the academic and industrial needs. Besides, since the development and manufacturing of solar cells demand contributions from several other industries, NSC also intends to promote these relevant industries in Taiwan by putting resources into the sci-tech development of organic photovoltaic cells (OPVC).

NSC told the press, present general module efficiency of OPVC now is 8.4%, and if it could be enhanced up to 15%, the electricity production cost would be reduced to the general household electricity price in Taiwan. Taiwan has a research capacity at the same level as Japan's and Swiss's, but an international laboratory for verification and measurement is not available yet so that no sufficing proofs for the domestic products can be provided yet. In order to make up the missing part, NSC will begin to offer financial support for the construction of an organic photovoltaic cell research and measurement laboratory this year.

Wen-Feng LIAW, Director of the Department of Natural Sciences, NSC, pointed out, OPVC is an emerging and growing global market and now all the countries are competing for gaining advantages. Therefore, NSC will now concentrate on the industry and help the relevant industrial developments in Taiwan.

Reference:

[RTI 2011/01/20](#) (Chinese)

[National Science Council International Cooperation Sci-Tech Newsbrief](#)

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