

New organisation founded for Light Electric Vehicle industry

# BATSO – Certificate for Battery Safety

TANNA, Germany – The newly founded 'Battery Safety Organisation' (BATSO) is a project of ExtraEnergy e.V in co-operation with the Industrial Technology Research Institute of Taiwan and renowned testing organisations. It stands for approved safety of new battery technologies for Light Electric Vehicles (LEVs). Two BATSO testing laboratories have so far been established.

BATSO stands for Battery Safety Organisation. It is a co-operation project of ExtraEnergy e.V. – a German non-profit organisation for independent LEV promotion and testing – Taiwan Industry Technology Research Institute (ITRI), TÜV Rheinland, Germany, Underwriters' Laboratories (UL), Taiwan, and the Light Electric Ve-



BATSO project manager Tim Schäfer.

*Photo ExtraEnergy*

hicle industry. The creation of BATSO as a project and trade mark is the result of testing LEV batteries for many years. Initially,

this happened in co-operation with Deutsche Post AG to find qualified lithium systems that would guarantee a full day range for an electric mail delivery bicycle.

As Lithium batteries are rapidly becoming the dominant battery technology in Light Electric Vehicles, safety is a major issue. There are dangerous and very safe lithium systems on the market. The BATSO battery safety standard has been developed to provide manufacturers, importers, dealers, and consumers with reliable information on the safety and ecology of batteries. The BATSO organisation has established two testing laboratories where batteries are tested according to the BATSO safety standards. One lab is located in Karlstein/Frankfurt in Germany, the other one in Hsinchu, Taiwan.

## **BATSO Project Manager**

Last June, German Tim Schaefer has been appointed by ExtraEnergy as BATSO Project Manager. Schaefer is an expert in battery safety and transport of large lithium batteries. He has worked for the German subsidiary of LTC Lithium Technology Corporation (USA) and GAIA Akkumulatowerke (Nordhausen-Germany), having been company secretary for the latter from 1998 on. With over 15 years of experience in management, R&D and manufacturing of large format lithium-ion batteries, Schaefer will now contribute his extensive market knowledge and battery expertise to the BATSO project.

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