

February 15, 2010
Central Glass Co., Ltd.

Construction of New Electrolyte Facility for Lithium-ion Batteries

Central Glass announced today its decision of the construction of a new electrolyte facility for lithium-ion batteries in its Ube Plant in Yamaguchi Prefecture, Japan. The new facility is planned to start operation in the spring of 2011 with the production capacity of over five thousand tons per year. The new facility, together with the first production facility in Kawasaki Plant, will enhance the company's capability for the stable supply of electrolyte products.

Central Glass earlier decided to launch into the business of high performance electrolyte to be used in large-sized lithium-ion batteries for environmentally friendly cars which are expected to expand rapidly, and constructed the first facility in Kawasaki Plant in the spring of 2009. Since then, Central Glass has been successful in increasing shipments and earning high appreciation from car manufactures and battery manufactures for its electrolyte products. Now, Central Glass has decided to move to a full-scale operation by constructing the second production facility in Ube Plant. At the same time, the company is establishing global supply system in Asia (including Japan), the United States and Europe, aiming to timely respond to the requirements of global car manufacturers.

Central Glass has an integrated production system of electrolyte from manufacturing electrolyte salt (LiPF₆) using its own hydrofluoric acid to preparing custom electrolyte products satisfying each customer's requirements. This system brings the company advantages both in cost and stable supply which are essential for battery materials used in environmentally friendly cars. The second facility can enjoy these advantages fully since hydrofluoric acid is produced in the same site.

In addition, Central Glass is proactively developing new technologies and products which contribute to the improvement of performance and safety of lithium-ion batteries. The company, in its product lineup, has high-performance additives for electrolyte that prolong the battery life without lowering their power output, and enable the use of batteries in wider temperature range. The company has also developed technologies for enhancing performance and flame retardancy for electrolyte products.

Central Glass will continue promoting environmentally friendly business through the electrolyte business for lithium-ion battery.