



## Factory Visit to a Gypsum Block Wall System Production Line in Guangzhou

*Sr Paul Wong, Chairman of the QSD CPD Sub-committee*

The QSD CPD Sub-Committee organized a factory visit to the AUGREEN gypsum block wall system production line in Panyu, Guangzhou on 2 June 2012. The factory is around 90,000 sq. ft. It is divided into different zones for raw material storage, production, heat generation, material recycling, packaging, and finished product storage.

Over 45 members took part in this visit. It was guided by Mr Ricky Tsang, Managing Director of CaSO (HK) Engineering Company Limited. Mr. Tsang also talked about the present development of building regulations and the use of the gypsum block wall system.

In April 2011, the Buildings Department tightened controls on GFA exemptions. All new residential developments would be required to apply BEAM Plus to their designs, construction, energy consumption, material use, etc. AUGREEN is an integrated internal partitioning system that can fulfill the requirements of sustainable development. Apart from being cost-effective, it meets users' demands for flexibility and versatility, saves space, and is lightweight, strong, fireproof, soundproof, easy to install, and reusable. More technical details of AUGREEN can be found at [www.caso.com.hk](http://www.caso.com.hk).

AUGREEN's main raw material is FGD gypsum, which is a byproduct of power plants. Every year, the factory can help remove 5,400 tons of SO<sub>2</sub> from the atmosphere. As a result, air pollution and acid rain can be reduced drastically in the Pearl River Delta Region. The production of AUGREEN is pollution-free because it uses no-fume coal for heating or natural drying during the dry season. During the construction stage, AUGREEN can save time on some associated works and procedures like plastering, lintel, and steel stiffening (for high walls). During a building's life cycle, AUGREEN can save space and energy due to its low thermal conductivity, and can be reused by taking down an old wall and erecting a new one. As a result, the total cost in construction and energy consumption, as well as to the environment, can be reduced to a certain extent.

After participating in this factory visit, our members gained more knowledge of an environmentally friendly building product. Everyone enjoyed the visit and the lunch provided by the factory very much. I would like to thank Mr Tsang for sharing with our members the production and development of the AUGREEN gypsum block wall system. 🇺🇸

