



# Low Carbon Manufacturing Programme (LCMP)

Success Story

for a living planet

## Crystal Clear Improvements

**A 17% reduction in CO2 emissions is just the beginning for this forward-thinking garment manufacturer**



*"Crystal Group is an enterprise which emphasizes, and carries out its environmental- social responsibilities... We must understand that protecting the environment is in fact protecting ourselves. It is our responsibility to protect and improve the environment. Every one of us should fulfill this duty... This undertaking needs our continuous efforts, not only today but also in the days thereafter."*

**- Mr Kenneth Lo, Chairman, Crystal Group**



### Leading the way

Crystal Group is truly a progressive manufacturer. In addition to joining the Low Carbon Manufacturing Programme (LCMP) in 2009, the Group is also one of the founding members of the "Sustainable Fashion and Business Consortium". Crystal Group has shown considerable initiative, which translates into real, tangible improvements when measured by LCMP's standards. Crystal Group has taken to heart a mission of promotion and increase in the use of sustainable practices across the fashion supply chain. They believe that assisting their industry to promote the importance of environmental issues and the concept of sustainability, share good practice and influence other garment manufacturers to join them in reducing the carbon footprint from their industry is vital.

### Tangible gains, wider benefits

Crystal Group piloted the LCMP in their ZhongShan Yida Apparel Ltd. Factory, based in Zhongshan City. Over the first year of carbon emission monitoring, the company saw some very positive results – a 17% reduction in CO2 emissions and electricity usage in a single year (2008 vs 2007). Crystal Group credits the LCMP in helping to identify and report areas for emissions reduction and cost savings. Most importantly, participation in the programme has had a positive effect on employees and vendor's mindsets across the board. "The big achievement is that the entire organisation realizes the importance of sustainability. This has increased the moral and environmental awareness in our people. Our employees are proud of working here", said Mr Kenneth Lo, Chairman of Crystal Group.

### Key areas identified

Taking the advice of the LCMP and affiliated experts, Crystal Group identified several key areas that could be more efficient. The plant itself saw improvements, with equipment such as a solar hot water supply system, water curtain cooling system installed, along with the application of variable frequency drive. The factory was equipped with environmental-friendly fluorescent tubes, and new energy saving production equipment. Outside of the factory, tree planting was used as a key initiative to offset carbon emissions. By implementing key management initiatives, such as process improvement, promotion and education, Crystal Group has seen some real changes.

### Future plans

Crystal Group has pledged to save energy costs of 20% and to plant 1,000,000 trees over a five-year period.