

Low Carbon Manufacturing Programme

Case Study



TAL Apparel Ltd. (TAL) is one of the world's leading clothes producers. One out of every six shirts sold in the U.S. are produced by TAL. Major clients include famous global brands like Burberry, Calvin Klein, J.C. Penney, Polo and Ted Baker. In 2009, TAL's Textile Alliance Apparel (Dongguan) Limited (TAL Dongguan) joined the LCMP Pilot Scheme to further reduce their greenhouse gas emissions.

Carbon Reduction Measures

- Electronic supply management: Searching rooms for energy saving opportunities by monitoring the electricity usage of different zones through 'meter zoning management'. Encourage staff to turn off computer monitors and machines which are not being used, instead of putting them in standby mode.
- Using T5 fluorescent tubes instead of T8 fluorescent tubes. Making use of natural light.
- Operating the sewage treatment works in energy saving mode.
- Controlling the air conditioning in the sewing room manually.
- Improving the operational efficiency of the compressed air system.
- Reducing heat loss by insulating heat pipes with cotton wrapping. Using sensor faucets. Installing an automatic control system for the hot water supply in the hostel.
- Installing energy saving devices and providing regular maintenance, which ensures that machines are running at their highest possible operational efficiency.

Results

TAL Dongguan was awarded the LCMP Silver Label. Using 2008 as a baseline year, it is expected that carbon emissions will be reduced by 5 percent annually.

Factory

Textile Alliance Apparel
(Dongguan) Limited

Parent Company

TAL Apparel Ltd

Industry

Textile & Garment

Label

Silver

LCMP - A comprehensive carbon accounting and labeling system

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LCMP is a WWF initiative with verification from third parties.