

# Low Carbon Manufacturing Programme

## Case Study



The Central Textile Group (Central Textile) is a top global yarn producer with factories in Hong Kong and Guangdong province. Its clients are global brands including Gap, Levi's, Calvin Klein, Marks & Spencer and Espirit. Central Textile is also a DuPont and Lycra-accredited manufacturer.

In 2009, Central Textile's affiliate Central Fabrics Limited (Central Fabrics) joined the LCMP pilot scheme. As several possible carbon reduction measures would have increased the company's operational costs; Central Fabrics decided to implement projects in which had a shorter return on investment, between one and three years.

### Carbon Reduction Measures

- Replacing T8 fluorescent tubes with T5 fluorescent tubes.
- Increasing the use of outdoor ventilation by enhancing the air conditioning system in production areas. The return on this investment is 2 years.
- Renovating boilers and improving air quality.
- Saving energy and reducing waste through product quality control.

### Results

Central Textiles achieved the following savings in production costs: a 70 percent savings on water through reusing water in the dye process, a 4 percent increase in boiler efficiency, a 5 percent increase in electricity savings and a 100 percent savings on Indigo dye stuff, which is now separated out in the dyeing process.

### Factory

Central Fabrics Limited

### Parent Company

Central Textile Group

### Industry

Textile & Garment

### Label

Gold

### LCMP - A comprehensive carbon accounting and labeling system

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LCMP is a WWF initiative with verification from third parties.