

# Low Carbon Manufacturing Programme

## Case Study



LeverStyle Inc (LeverStyle) established in 1956, which is the supplier of international famous brand Armani Collezioni, J.Crew, Paul Smith, Hugo Boss, Banana Republic and Cerruti 1881. With five factories in South China and Hong Kong, their annual production reaches 10 million.

### Carbon Reduction Measures

Lever Shirt (Shenzhen) Limited (LeverShirt) of LeverStyle joined LCMP in 2008. They employed consultants to evaluate the factory's energy consumption and carbon emission, at the same time setting up a cross departmental emission monitoring group to implement several measures.

- Install individual switches for lightings and demolish the lightings which do not affect production. Change 40W T8 fluorescent tube to 28W T5 fluorescent tube.
- Implement heat recovery from boiler, collect the excess steams for water heating purpose.
- Install Variable Speed Drive (VSD) control for compressed air system.
- Implement HVAC and fresh air system. When the outdoor temperature is below 25°C, air conditioning system will shut down and bring in fresh air
- Lower room temperature and minimize the use of air-conditioning by planting on factory's roof

### Results

Fresh air system makes LeverShirt no need to use air conditioning for more than 60 days throughout the year. Return on investment of the entire project is 1.5 years, and it expected to save RMB 2.16 million per year.

### Factory

Lever Shirt  
(Shenzhen) Limited

### Parent Company

LeverStyle Inc

### Industry

Textile & garment

### Label

Silver

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

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