

Reducing KiK's environmental footprint

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18 March 2010



- ✓ KiK stands for 'customer is king'
- Mainly supplies textile and non-food
- Offers good quality at affordable prices
- ✓ Founded in 1994
- ✓ Headquarters in Bönen, Germany
- ✓ 2900 stores in 6 European countries (Germany, Austria, Slovenia, Czech Republic, Hungary and Slovakia)
- ✓ Turnover more than 1 billion Euro





✓ Product examples











CSR at KiK



- ✓ CSR department with 9 employees
- Directly connected to company management
- Strategic partnerships in sourcing markets
- ✓ Major focus:
 - Environmental
 - Social
 - Economic



Social

- ✓ KiK has established a Supplier Management System based on its Code of Conduct.
- ✓ All suppliers undergo an audit procedure.
- Key suppliers are qualified by external partners.
- Additional projects with local and international NGOs, such as AWAJ Foundation or Care in Bangladesh.



Social

Current social projects in Bangladesh:

- ✓ 3 doctor stations in cooperation with AWAJ
- √ 6 childcare centres in cooperation with Phulki
- ✓ Sanitary napkin projects (in 2 factories) with Phulki
- ✓ Health & safety training (1000 workers with AWAJ)
- ✓ Cooperation with Care Bangladesh
- √ 3 schools in Dhaka in cooperation with GSS







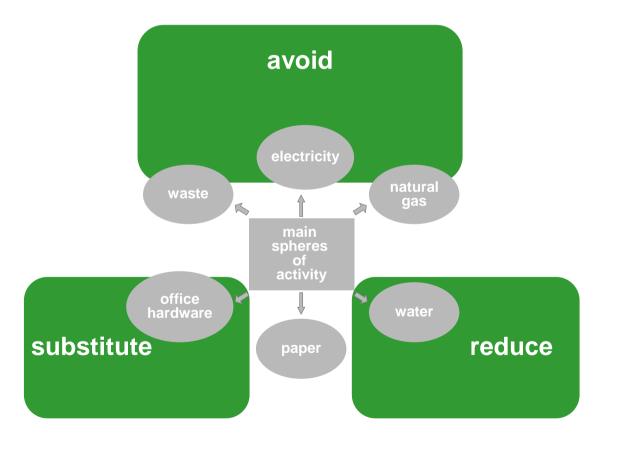
Environmental

- ✓ The issue of climate protection has been identified as a key challenge for the future.
- ✓ Therefore different activities have been developed over the last 2 years to reduce our impact on the climate.
 - ✓ Implementation of ISO 14000 management system
 - ✓ Green buildings
 - Optimised energy supply
 - ✓ Paper
 - ✓ Product and production CO2 footprints



Steps to an environmental management system

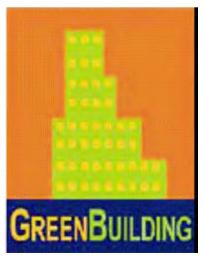
- ✓ In 2010, KiK will establish a holistic environmental management system.
- ✓ Overall goal is to reduce CO₂ emissions and the conservation of natural resources 30% of our stores are supplied with eco energy
- Implementation according to the international standard ISO 14001.
- Spheres of activity include all environmentally relevant processes at KiK headquarters





Green buildings

- ✓ In Europe, KiK is the first textile discounter in the European Commission's green building programme, which targets reducing energy use in buildings.
- ✓ 3 of our stores have the 'green building standard'
- ✓ 10 more stores are to receive the 'green building standard' this
 year





Green buildings

- ✓ A green building store makes a difference:
- Optimises isolation
- ✓ Innovative climate and air ventilation system
- ✓ Heat recovery with 80% efficiency
- ✓ Saves 50% of energy
- ✓ Reduces CO₂ emissions by 40%







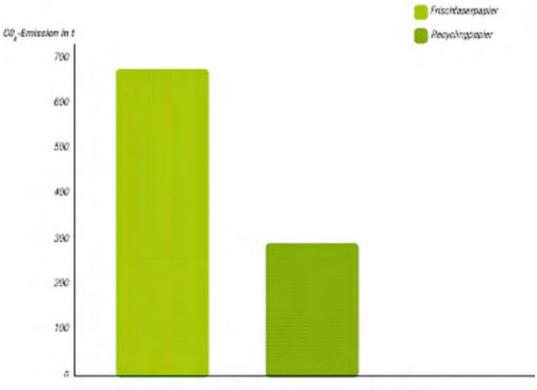
Energy supply

- √ 30% of our stores are supplied with eco energy
- √ 70% of our stores will be supplied with eco energy this year.
- ✓ Transportation of merchandise by sea freight



Environmental management at KiK headquarters in Germany

✓ Through only using recyclable office paper, our CO₂ emissions have been reduced by more than 17 tonnes per year.



Jährliche CO₂-Emission durch den Verbrauch von Papier, Umstellung auf Recyclingpapier





CO2 footprint of a KiK jeans



Determining the CO2 footprint of a pair of jeans

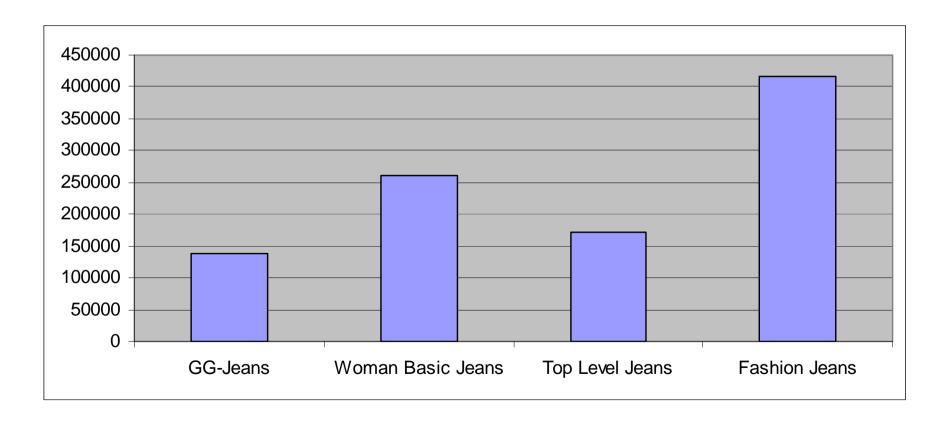
Objectives of project:

- ✓ Evaluating the CO₂ footprint of a pair of denim jeans along the supply chain, including the cotton crop, production and transportation to customer warehouse
- ✓ Evaluating the overall CO₂ emmissions related to our jeans from South China
- ✓ Involvement of the supplier for further improvements as an ongoing project



Product: jeans

In 2009 KiK has sourced almost 1 million denim items in PRD





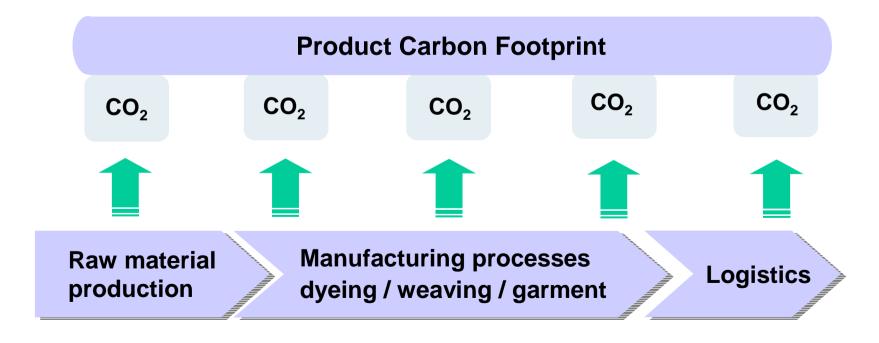
Basic data

- ✓ Overall pieces: 987,060
- ✓ Number of orders and shipments: 32
- ✓ Average number of pieces per order: 30,845
- ✓ Total weight: 637,2 tonnes
- ✓ Average weight per shipment: 19,91 tonnes
- Average weight per piece: 640 grams including packing material



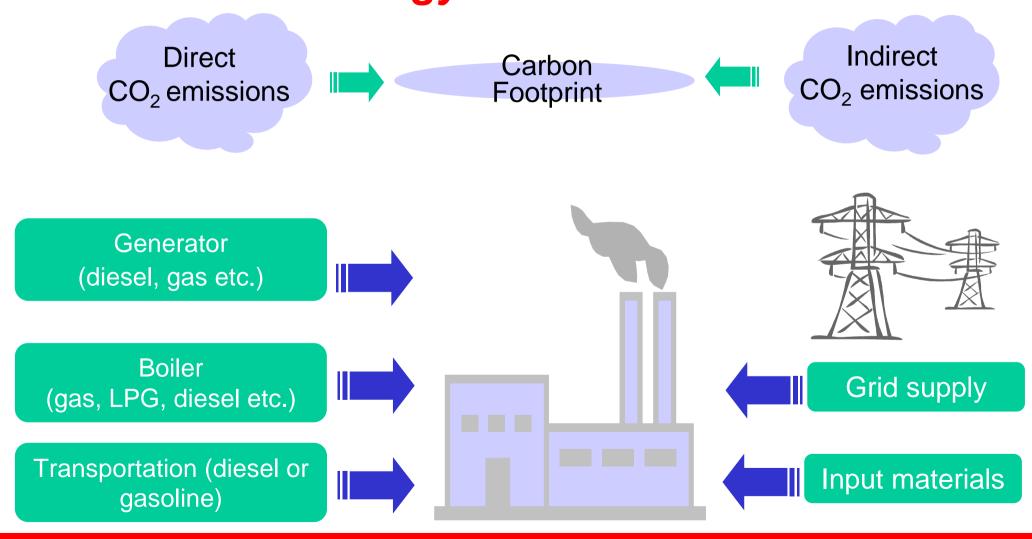
The carbon footprint implies all emissions in the supply chain

The Product Carbon Footprint indicate all CO₂ emissions along the supply chain, including raw materials, manufacturing and transportation:





The Carbon Footprint is calculated by the input materials and energy sources

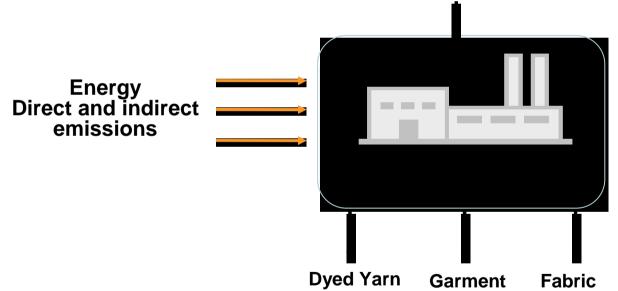




Carbon footprint of the production process

✓ As a first phase of this project, we consider the production process to include dyeing, weaving and garment as a 'black box'.

Yarn (input)



✓ In the second phase, we will analyse the processes within this 'black box'.



Results carbon footprint (1)

The accumulated carbon emissions of 1 kg denim product add up to approx.

10,77 kg of CO₂

Cotton Crop 3.54 kg CO₂ per kg of cotton

<u>Transportation</u> 0.13 kg CO₂ per kg of cotton from fields to spinning

mill by truck

Spinning 2.63 kg CO₂ per kg yarn

Energy source: electricity

<u>Transportation</u> 0.26 kg CO₂ per kg of yarn by truck

Production 3.88 kg CO₂ per kg of output

Energy source: electricity, LPG and coal

Includes yarn dyeing, weaving and Ready Made

Garment

<u>Transportation</u> 0.33 kg CO₂ per kg of final product mainly by sea

freight



Results carbon footprint (2)

✓ Total Co2 emmission related to our jeans sourced in PRD:

6862 tons

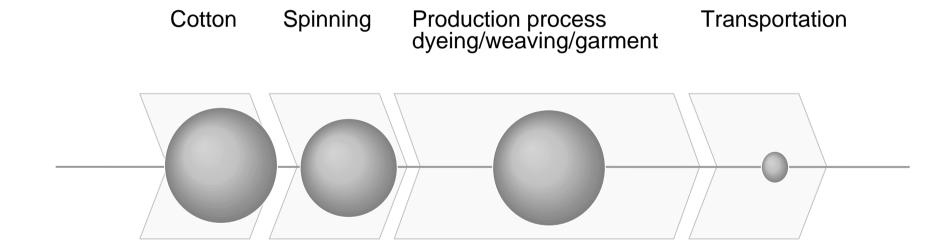
✓ CO2 footprint of a pair of jeans

6,89 KG



Related carbon footprint (2)

The related carbon footprint is the amount of CO₂ emitted by each phase, per kilogram produced



Proportional carbon emissions within a textile supply chain in China (source: Systain Consulting Asia).



From cotton field to yarn

Raw material production

When considering the data from the cotton crop to the spinning mill, we obtain the following absolute figures:

69,295 tonnes of CO₂ for 10,770 tonnes of raw material

Which leads to a relative carbon footprint of:

6.43 kg CO₂e per kg of yarn produced

This data includes the transportation from the cotton fields to the spinning mill and from the spinning mill to the garment factory



The production phase

Manufacturing processes dyeing / weaving / garment

Energy (direct and indirect emissions)

Electricity	4,850,405 kWh		Manufacturing processes dyeing / weaving / garment
Coal	10,896 tonnes		
LPG	64,915 I.		
Energy consumption for 2009			

Total output (yarn, fabric and garment) 9,365 tonnes

The average CO₂ emissions per kg of output is 3.88 kg CO₂e.



Impact of transportation (1)

The transportation of a pair of jeans from the factory in Guangdong, China to Bönen in Germany goes as follows:







Within Europe the transportation goes as follows:

Results:

Carbon emissions emitted by the transportation of one pair of jeans from Kaiping to Bönen.







210g CO₂





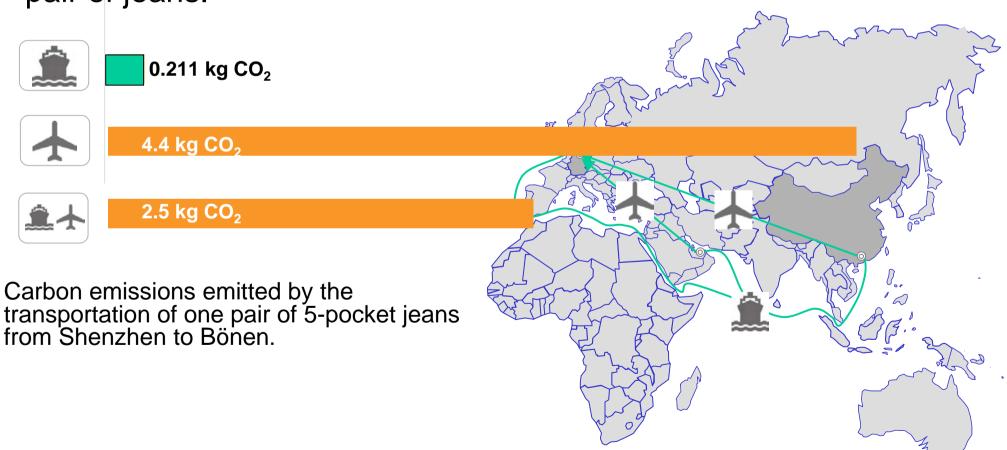


212g CO₂



Impact of transportation (3)

In comparison to other transportation combinations, KiK's actual transportation combination saves substantial CO₂ emissions per pair of jeans.





Compensation

✓ This year KiK will become an official partner to a local Hong Kong NGO called Heroes 2 and plant 5,000 trees in the Canton Province throughout 2010/2011.



Conclusion

- ✓ Within this project we have now first ideas about our impact on climate related to our sourcing in PRD with a core product.
- ✓ We see this as a starting point for further ongoing activities especially in the area of optimisation



✓ Do you have any questions?

