

Carbon Performance Improvement Initiative (CPI₂)

Shanghai, 22 October 2013



OTTO

CPI₂ is an initiative of European retail companies to take action in climate protection

HSE24

HR GROUP

s.Oliver®



otto group



NEW FRONTIER



Ernsting's family
Von fröhlichen Familien empfohlen.



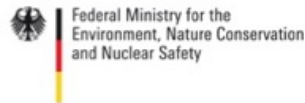
DEICHMANN



TOM TAILOR GROUP



On behalf of



of the Federal Republic of Germany



Reducing carbon emissions in the supply chain on factory level is a must for any retailer



Climate change is one of the major challenges of our time



Customers expect retailers to take responsibility



Factories experience increasing energy costs and supply shortages

CPI₂ supports factories to reduce energy use by providing practical and concrete advice

An online tool for textile and footwear factories starting with a self-assessment

CPI₂ Carbon Performance Improvement Initiative

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Participant Profile

Self Assessment

Energy fields You can access the Self Assessment in any order you like - just click on one of the icons

Management 5 out of 7	Electric motors 6 out of 6	Lighting 8 out of 8	Compressed air 10 out of 10
Process heat 15 out of 15	Drying processes 6 out of 6	HVAC 5 out of 5	Transport vehicles 6 out of 6

Submit Self Assessment

- Structured evaluation through all relevant areas ('energy fields')
- Tailor made for textile and footwear factories
- Short questions with an easy answering process

Immediate recommendations to improve energy efficiency

- Practical guidance
- Information on saving potential, investment and payback, advice on implementation
- More than 100 tools and case studies to support implementation
- Completely translated into local languages

参与者个人资料

 **China Knitting**
Shanghai Shi, China

查看资料 编辑资料

章节: 照明

子章节: 照明系统 (分区+室内照明) [返回建议列表](#)

D2 通过审查确定可以将灯关闭的区域, 例如不经常有人用的区域。

节约潜力:	节约全部照明用电的大约5%
成本:	没有成本
投资回收期:	立即产生回报
更多优点:	

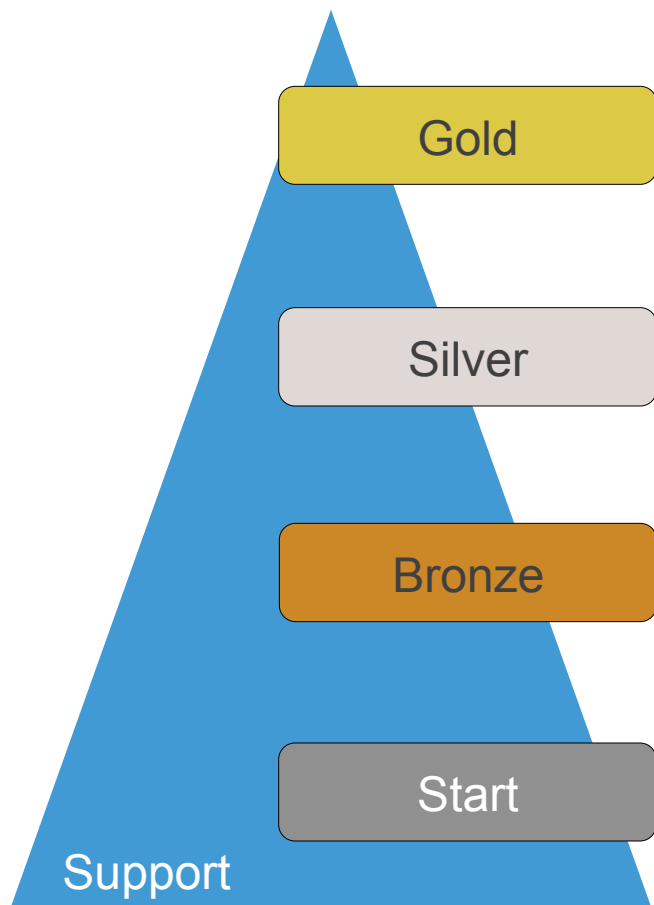
说明: 可以将灯关闭的一些区域包括:

- 在产量较低等情况下不经常使用的生产线/车间
- 阳光充足的区域
- 仓储区或者可以在走廊、卫生间、楼梯、仓库、停车场、电梯等不经常有人使用的区域使用占用传感器, 当有人进入这些区域时, 自动开启/关闭电灯。



在不需要的时候关灯

Motivation and benchmarking through Gold-Silver-Bronze rating



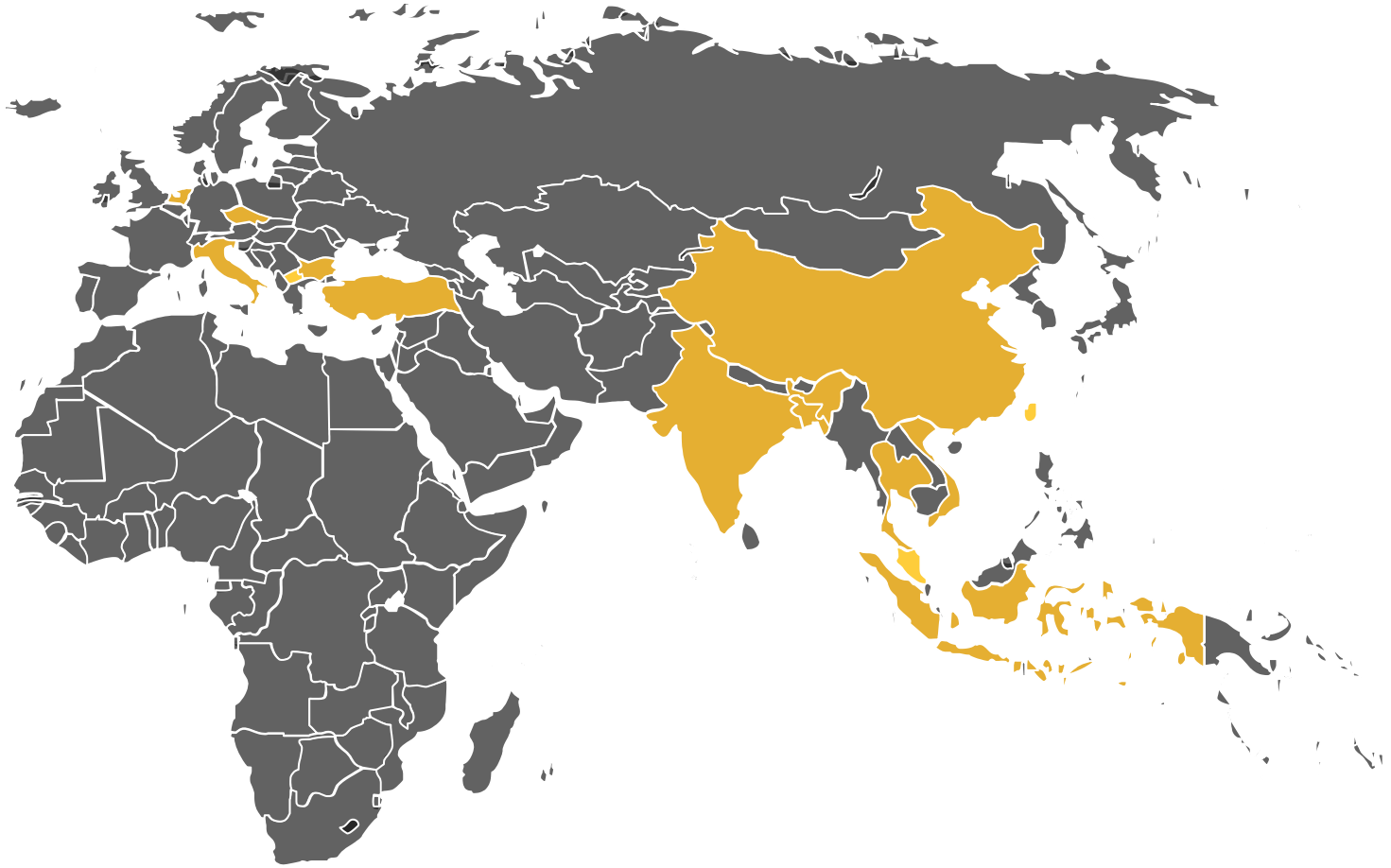
- Start with basic measures (minimum costs and easy to implement)
- Advanced measures and Best-Practices on top level
- Continuous improvement process

CPI₂ allows retailers to manage carbon performance among their suppliers

- Involvement of suppliers/ factories
- Follow-up and overall performance evaluation
- Transparency on CO₂-emissions
- Instrument for broad supplier development due to high scalability



320 factories in 13 countries already use the CPI₂-Online-Tool








Example of a CPI₂-factory from Turkey (1/2)

- A **jeans manufacturer** in Istanbul, Turkey, was visited during a CPI₂ test run in March 2012 and received **CPI₂-recommendations**
- **Running costs for energy** (Electricity, gas, diesel): **ca. USD 1.6 million**
- Considerable **increase of fuel and electricity prices** for the factory in the past years, e.g. gas price rise by 24%(!) in 2012



Example of a CPI₂-factory from Turkey (2/2)

Measures taken in 2012 as result of CPI ₂ -evaluation			Payback
	Management	New purchasing policy for equipment	immediate
	Compressed Air	Improved leakage detection	immediate
	Transport Vehicles	Improved Management and Maintenance	immediate
	Process Heat	Heat recovery from rinse water	2 years
	Electric Motors	Advanced motors	4 years

 **Total saving of 160,000 USD and 700 tons CO₂ in 2012**

CPI₂: Systematic reduction of CO₂-emissions with a joint effort

- ✓ Systematic evaluation of improvement potential
- ✓ Action driven with practical guidance, focus on quick-fits to initiate an ongoing process
- ✓ Easy participation, tailor-made for textile and footwear factories
- ✓ Development, motivation and awareness raising - CPI₂ is not a compliance system
- ✓ Carbon Performance is part of OTTO's supplier development