Environmental Performance

How to improve environmental performance by capacity building

Munich, November 2014

Where are the hot spots? – Major environmental and social impacts are located in the supply chain

> 8.000 litres of water

Chlorine bleaching, indigo dying, stone washing, etc.

Social impacts

> 20 kg of CO_2-Emissions

The latest Greenpeace report spotlights discount retailers

Experience in the development and implementation of training concepts

Standardized *Capacity Building* Concepts

systain academy

Standardized curriculum for factory management to achieve long term improvements

CPI 2 Carbon Performance Improvement Initiative

Online Platform for assessing and qualifying suppliers with respect to their environmental performance

Customized *Capacity Building* Concepts

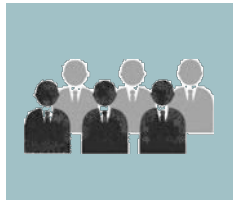
Webinar

E-Learning

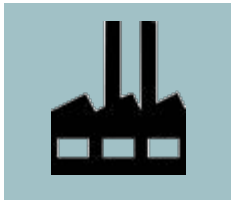
Video

Handbook

Workshop



On-Site Training



Systain developed an *online capacity building tool* as an instrument for the "Carbon performance improvement initiative (CPI_2)"

www.cpi2.org

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Umwelt Bundesamt

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KFW DEG · AVE Außenhandelsvereinigung des Deutschen Einzelhandels e.V. · systain

What does CPI_2 want to achieve?

Reducing environmental impact in supply chains by ***enabling factories*** to increase energy efficiency, improve chemical management and reduce water consumption

Energy

Water

Chemicals

At its core, the CPI_2-approach includes an online tool to support a systematic and ongoing improvement process

1 Online *self assessment*

- Systematic analysis of all production processes
- Assessment with increasing level of complexity
- User friendly interface

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1 Online *self assessment*

2 Online *evaluation* and *capacity building*

- Immediate access to relevant recommendations
- Enabling users through extensive library of supportive documents, tools and case studies

At its core, the CPI_2-approach includes an online tool to support a systematic and ongoing improvement process

1. Online *self assessment*

2. Online *evaluation* and *capacity building*

3. Online *benchmarking*
   - Certification according to performance level
   - Carbon footprint

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1 Online *self assessment*

2 Online *evaluation and capacity building*

3 Online *benchmarking*

- **The CPI_2-tool is available in 6 languages!**
- **More than 500 factories in 18 countries are using the tool!**

Jinnat Knitwear, member of the DBL group in Bangladesh wins the CPI_2 Factory of the Year award 2014 for outstanding performance

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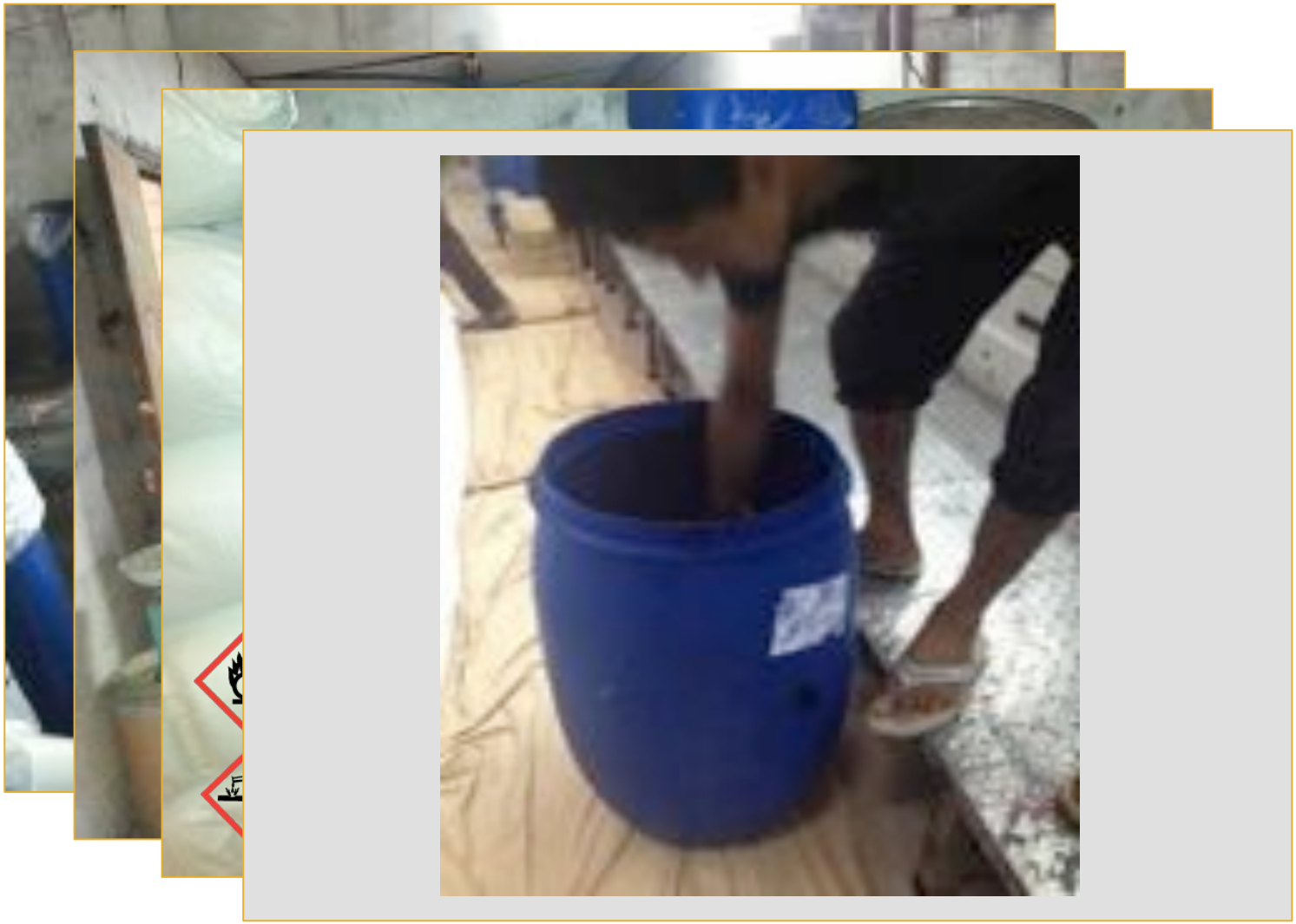
- Extensive list of improvements e.g.
  - Maintenance, staff trainings and awareness campaigns
  - LED lighting and electronic ballasts
  - Servo motors and efficient belts on sewing machines
- Payback times of less than 12 months!
- **Savings of 900t CO_2 and 60.000 USD *every year***

Verwendung von LED-Lampen

Servomotoren an Nähmaschinen

On-site visits reveal the urgent need for improvement in terms of chemicals management



Improving the chemical management on supplier level may pay off quickly

SYSTEMATICALLY IMPROVING THE SELECTION, STORAGE, HANDLING AND DISPOSAL OF CHEMICALS BRINGS BENEFITS

- ✓ Improved health & safety conditions for workers
- ✓ Cost reduction
- ✓ Improved product quality
- ✓ Reduced environmental impact

CPI_2 will serve as a capacity building platform for chemicals handling

Energy / CO_2

Chemicals

Water

CPI_2 covers the following topics:

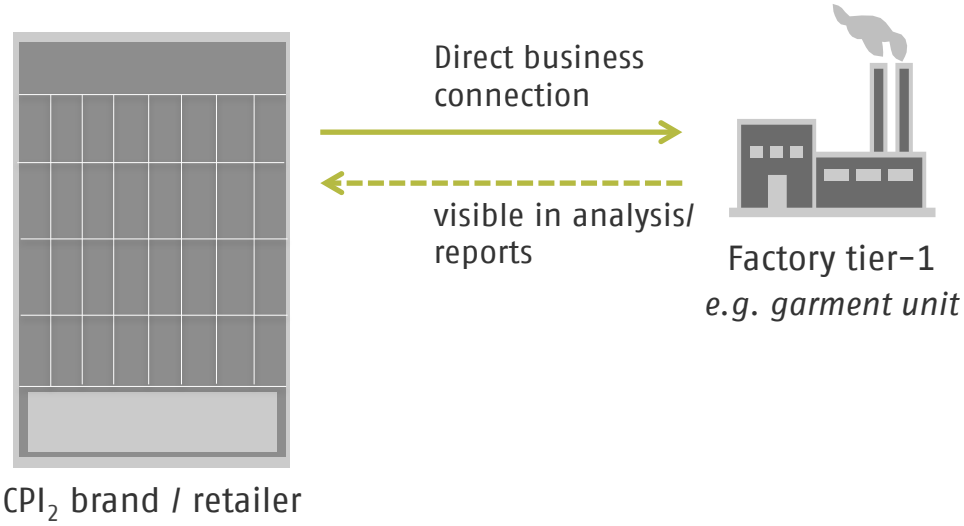
1) Chemical Management
Chemical management system, RSL, MSDS, regulatory compliance, training

2) Selection and Use of Chemicals
Efficient use of chemicals, input of chemicals, cleaner technologies and methods (BAT), re-use of chemicals

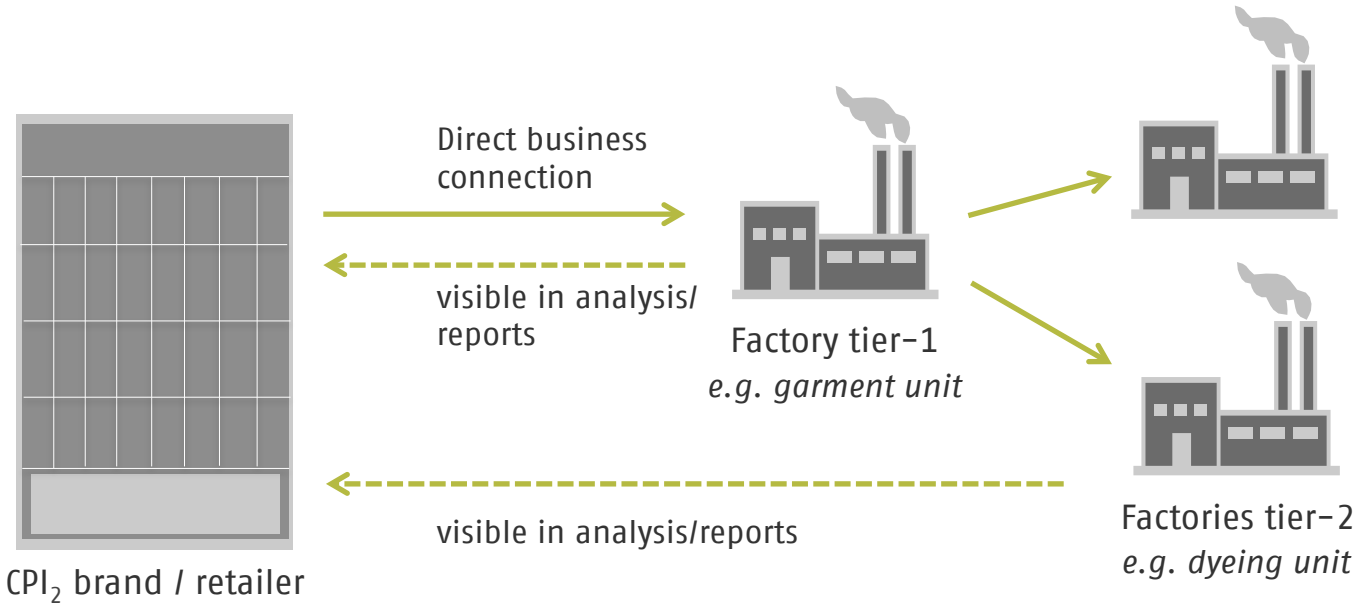
3) Storage and Handling of Chemicals
Documentation, safety-labeling, Health & Safety, air-extraction

4) Waste disposal
Treatment of left-overs and empty containers

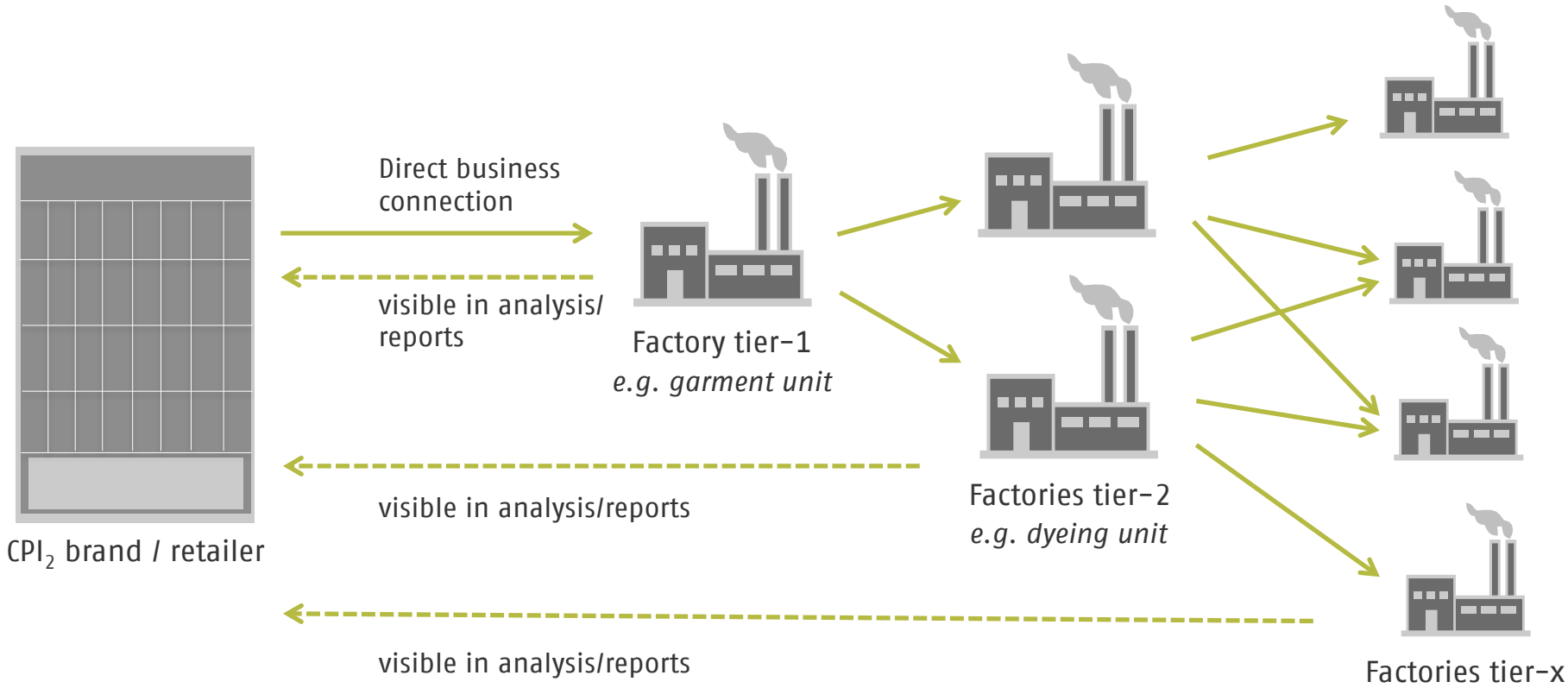
Creating performance transparency and initiate improvements immediately



Creating performance transparency and initiate improvements immediately



Creating performance transparency and initiate improvements immediately



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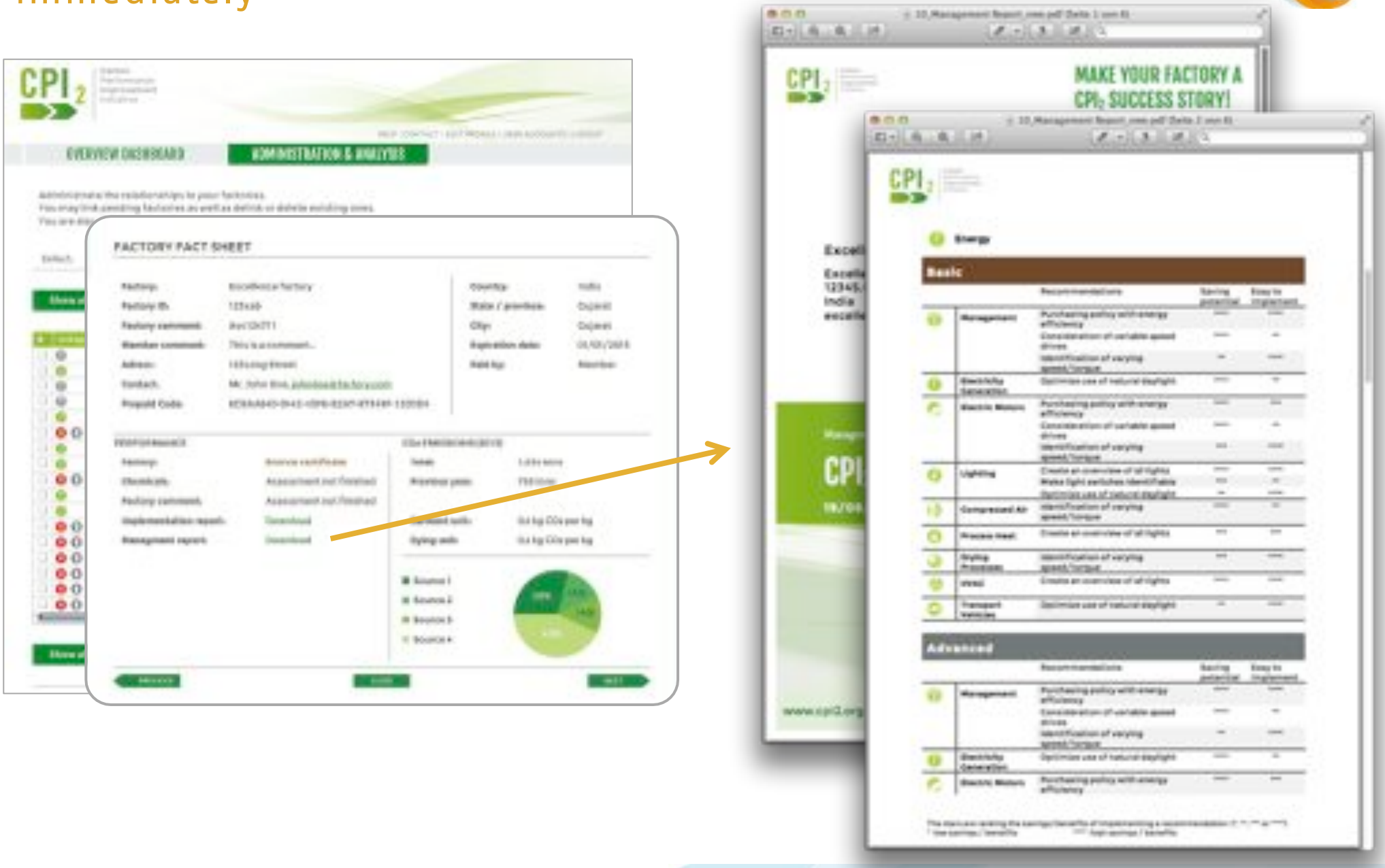

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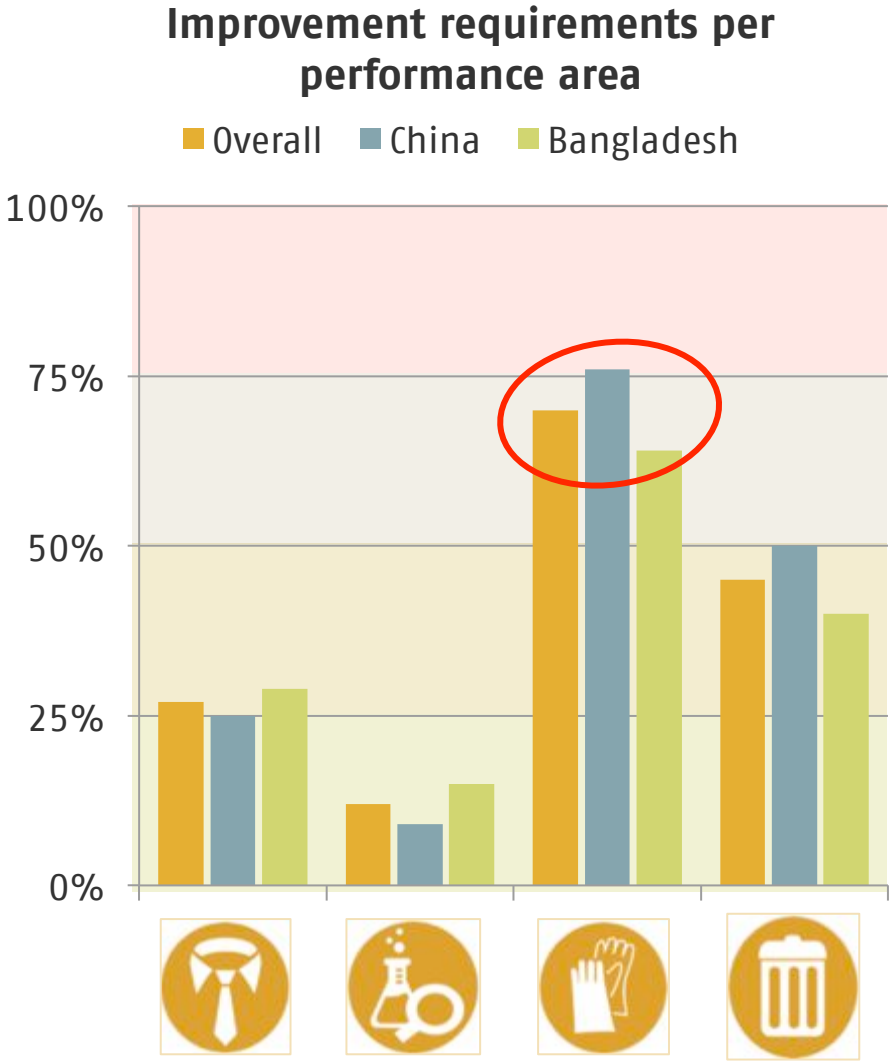

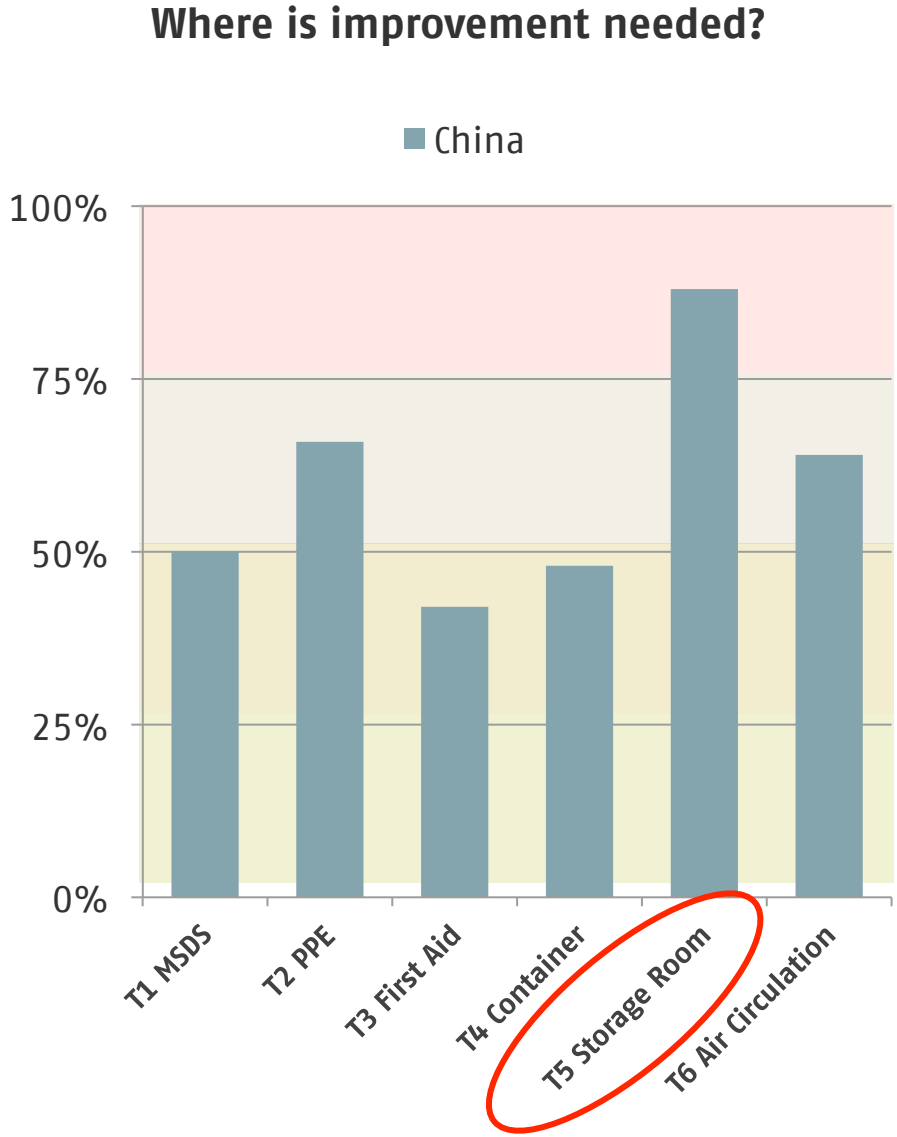

Systain works with retailers and suppliers to develop customized capacity building solutions

- Improving environmental performance is challenging
- Innovative tools can help to get started and to identify specific requirements
- Individual requirements need customized solutions