

Chemical Management Trainings



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This information package provides interested members of the Partnership for Sustainable Textiles and companies with an overview of our chemical management trainings. It informs about the program structure, the contents and the trainings' sustainable impact, which can be achieved by raising awareness and implementing target-oriented measures in the factories.

1 Objectives and potentials of the trainings

A corporate responsibility: reducing the use of hazardous chemicals at the production site and preventing risks.

The use of hazardous chemicals in textile production bears great risks for workers in the factories and the environment. This particularly applies to the production step of wet finishing.

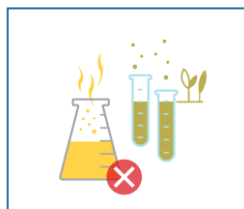
In producing countries, knowledge and experience in the safe handling of chemicals is often insufficient and not adequately integrated into production processes. It is therefore essential to provide practical know-how and concrete support to factories on site to improve their chemical management.

The aim of the chemical management trainings is to teach basic and advanced elements of sustainable chemical management. This is achieved by awareness raising, systematic knowledge transfer and the development of customized solutions.

Companies have a responsibility here and can contribute to progress by nominating factories for trainings and accompanying the training process.

Factories as partners – knowledge transfer – joint solution development

The *basic* and *advanced* training programs enable companies to support their factories on site in establishing a sustainable chemical management and to promote the substitution of hazardous chemicals. This way they can contribute to mitigating risks and promoting sustainable supply chains in the long term.



Basic Training and Advanced Training

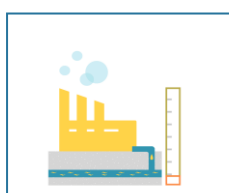
- Systematic knowledge transfer on chemical management, practical examples and exercises
- Factory visits with individual solution development (Advanced Training)
- Program management and quality assurance by Sustain

2 Systain Consulting GmbH: Presentation of the training concept

The Partnership for Sustainable Textiles offers its members high-quality chemical management trainings for their factories with wet processing units. The corresponding training materials were created and tested by GIZ and the Strategic Alliance (REMC Toolkit/ DeveloPPP REWE Group, Tchibo, GIZ) within a Partnership Initiative. All training materials are in line with the ZDHC requirements. The aim is to achieve improvements on site.

Basic Trainings (one-day trainings) have already been successfully conducted in China, Pakistan and Turkey. Advanced Trainings (36 week-long trainings) took place in Bangladesh and China. As of 2020, Systain is responsible for the program management and quality assurance. Systain coordinates the program for the Partnership and interested partners and starts with a first run in China and Bangladesh in February 2020.

Factory nominations:



Factory nominations for the **Advanced Trainings (AT)** can be submitted to Systain until 31.01.2020. Nominations for additional countries other than China and Bangladesh are possible. Systain will then prove if they can meet the requests. In a next step, Systain will cluster the nominated factories by region and offer group trainings as needed.

⇒ **Factory nominations (AT) until 31.01.2020 via: advancedchemtraining@systain.com**

The nomination period for the **Basic Trainings (BT)** starts on January 31, 2020. Systain will announce Basic Training Events with a specific date, location and a registration link on their [website](#).

The training concept:

The concept aims to build capacities and awareness at the factory level in order to generate the ability to take action on site. It is characterized by intensive support, progress controls and a participative approach in communication. The responsibilities of the stakeholders are listed in the table below. Detailed information on the financing and the outline of the training programs can be obtained from the Systain [website](#) and [training concept](#).

Program-Management	Brand	Local service-provider (trainer)	Fabric
<ul style="list-style-type: none"> ▪ Clustering of factories ▪ Clearing agency for brands ▪ Selection of the local service providers ▪ Quality management ▪ Processing ▪ Supervision of the service providers ▪ Communication with brands and trainers ▪ Reporting to Brands 	<ul style="list-style-type: none"> ▪ Nominates and invites factories ▪ Contract partner with the program management ▪ Participation in kick-off workshop with the factories (optional) ▪ Follows up on the status reports 	<ul style="list-style-type: none"> ▪ Responsible for coordinating appointments with the factories ▪ Contact person for factories ▪ Preparation of documents (AT): Scorecard, Progress Report, etc. ▪ Communication with factories and program management 	<ul style="list-style-type: none"> ▪ With the registration the factory confirms its participation in the entire program <p>Advanced Trainings:</p> <ul style="list-style-type: none"> ▪ Creates a MAP (with the support of the service provider) and works on its implementation ▪ Participates in all trainings and enables factory visits

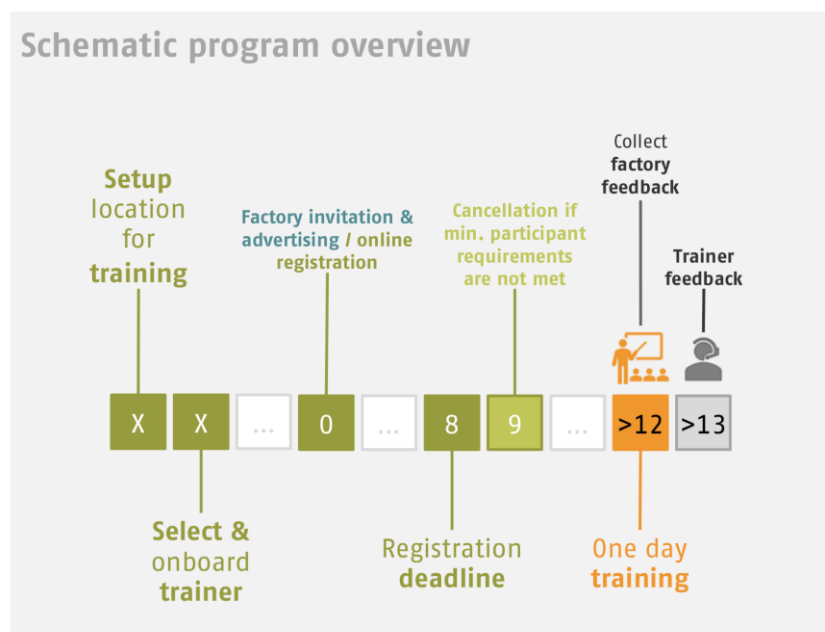
3 Objectives and program structure of the Basic Trainings

The **Basic Training Module** for chemical management in textile wet processing includes a one-day training for decision makers and the middle management of the production sites.

The training consists of six modules covering all relevant aspects of textile environmental and chemical management. The training has a practice-oriented structure and includes concrete examples and exercises that actively involve the participants. Depending on the context and specific needs of the factory, it is possible to customize the training.

The one-day training session:

- One trainer and 15 factories with a maximum of two participants each
- At least eight participants per training session



Source: Concept by Systain

Learning outcomes:

Awareness raising on:

- Health and environmental impacts
- Water scarcity and pollution
- individual possibilities to take action

Knowledge transfer on:

- Requirements of a sustainable chemical management
- Safe handling of chemicals
- Wastewater and sludge treatment
- Health protection and occupational safety
- Concrete risk analysis and action planning

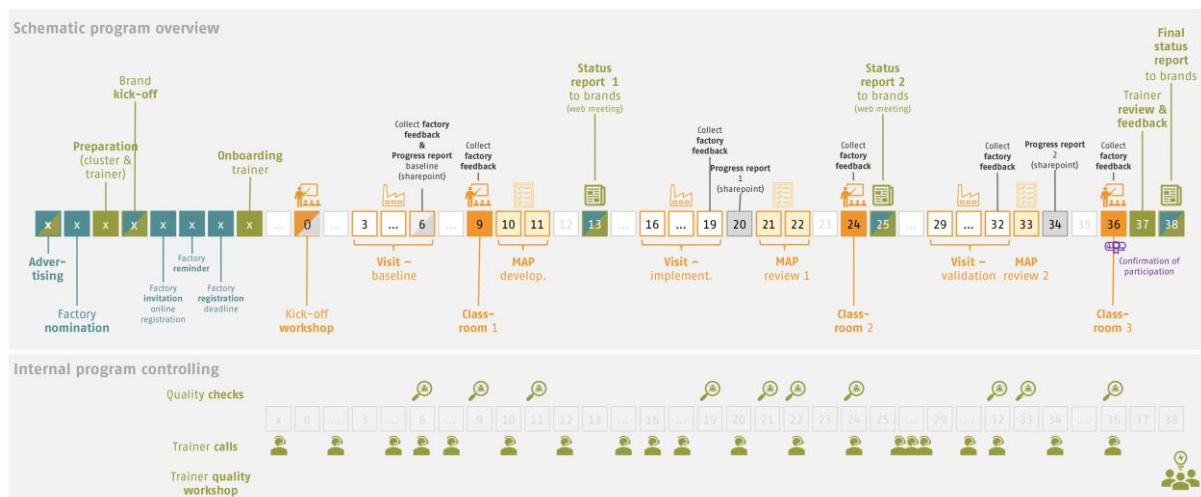
4 Objectives and program structure of the Advanced Trainings

The program of the **Advanced Trainings** lasts ten months and is a combination of four days of classroom training and three on-site factory visits, which build on each other and accompany the learning process.

The aim of the classroom trainings is to raise the awareness of the participants, to provide "hands-on" knowledge of chemical management and to put it into practice. Participants learn how to handle chemicals safely and in a controlled manner, i.e. how to store, use and dispose chemicals correctly. During the factory visits, the knowledge is deepened and the differences between the factories' procedures and best practices are identified by the trainers. As a result, a Management Action Plan (MAP) is developed together with the factory. Advice is given on all the challenges involved in its implementation.

The Advanced Training Session:

- Ten factories with a maximum of three participants in each region
- A trainer who conducts the entire training including the factory visits



Source: Concept by Systain

Advantages and learning outcomes:

- Knowledge on sustainable chemical management
 - Knowledge of the factory's individual strengths and weaknesses in chemical management
 - Problem-solving competence through guided definition and implementation of measures
 - Optimized processes in the factories through improvements based on MAPs
 - Practice-oriented learning by carrying out a case study
 - Definition of Key Performance Indicators (KPIs)
- The objective is to enable factories to independently control the use, application and disposal of chemicals

Expanding local trainer structures

Systain works with a pool of qualified and accredited trainers. In the long term, it is intended to build up further local trainer capacities in order to increase chemical management capacities in the region and in further markets.

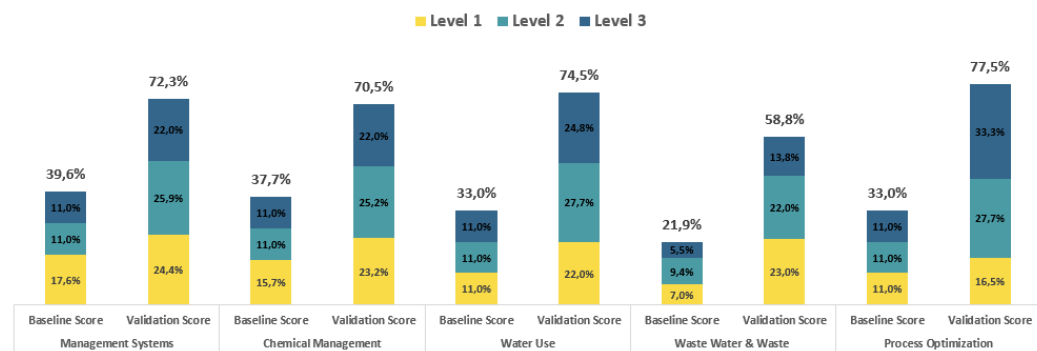
5 Impact measurement and field reports

The validation of the Advanced Trainings is based on a two-phase scheme. First, predefined criteria are used to assess to what extent the chemical management modules have already been implemented. This results in the baseline score and a Management Action Plan is developed. In a second phase, the progress resulting from the implementation of the MAP is determined (Validation Score) so that the status before and after the training sessions can be compared and evaluated. The requirements to be tested are divided into the levels 1 (basic requirements), 2 (intermediate requirements) and 3 (advanced requirements) for each module. The entire process extends over three factory visits: The Baseline Visit, the Implementation Visit for the guided implementation of MAP and the Validation Visit.

Field report of the pilot phase - REWE Group & Tchibo

As a result of the trainings, the chemical management of the factories was improved by 27% based on the underlying Scorecard.

Evaluation example per module and level of requirement (Level 1-3):



Source: Exemplary Scorecard

Example for the individual assessment of a production site:



Source: Tchibo Progress Report

6 Factory nomination and next steps

The Basic and Advanced Trainings are offered at regular intervals according to demand.

Registration for the Basic Trainings

Systain announces current Basic Training Events on their [website](#). The trainings will take place if there are more than eight participants.

Registration for the Advanced Trainings

Systain announces current Advanced Training Events on their [website](#).

For registration please send an e-mail to advancedchemtraining@systain.com.

The following information should be included in the factory nomination:

1. Brand/Company with a contact person
2. Factory name, address, contact person, production

After the registration deadline, Systain will cluster the factories and initiate an exchange with the brands/companies to decide on a venue for the group workshops. Afterwards, a kick-off meeting with the brands/companies will take place and the timeline of the training program is presented. The exact start date of the Advanced Trainings depends on the clustering of the factories and the corresponding contractual agreement.

Detailed information on the financing and the outline of the training programs can be obtained from the Systain [website](#) and [training concept](#).

The contact person at Systain is [Mrs. Oldopp](#).

7 Contact Persons and links

Partnership for Sustainable Textiles

Contact person:

Rahel Lemke

Phone: +49 228 4460-3502

E-mail: rahel.lemke@giz.de

Contents and training materials of the Basic and Advanced Training:

<https://www.textilbuendnis.com/know-how/branchen-risiken/chemikalien-und-umweltmanagement/trainings/>

Systemain

Contact person:

Marie Oldopp

Phone: +49 40 609 4618 22

E-mail: marie.oldopp@systain.com

Factory nominations to:

advancedchemtraining@systain.com

Website:

<https://www.systain.com/chemical-management-training/>

Detailed presentation of the training concept:

<https://www.textilbuendnis.com/download/verankerung-von-chemikalienmanagement-trainings/>