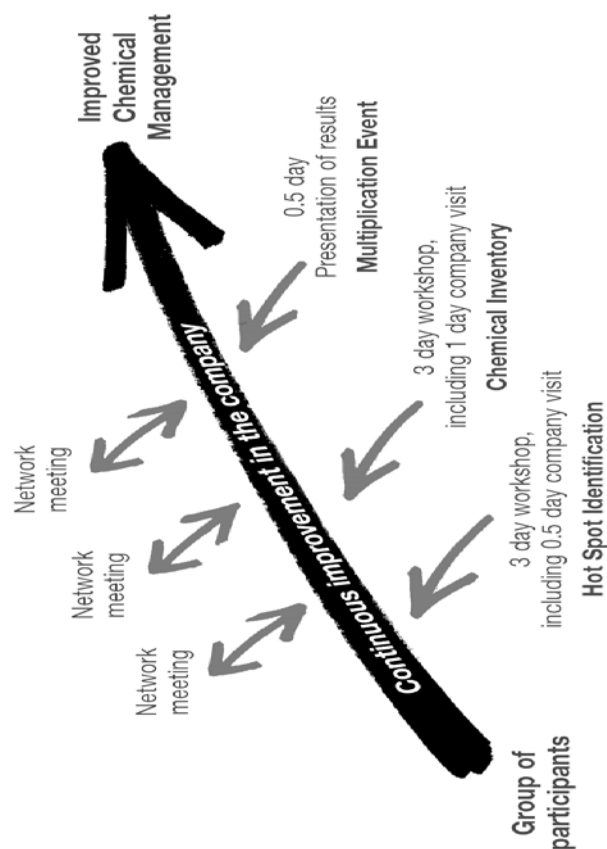


Programme “Arrow” Chemical Management Training Programme



Output of training

The Trainees and Companies will after the training have elaborated a ground plan indicating all hot spots in the company, have elaborated an Action Plan with first measures to improve the handling of chemicals, have elaborated an inventory of the majority of chemicals used in their companies and have carried out the risk and cost assessment for the 10-20 most important chemicals.

Multiplication Event

- The training programme is closed by a multiplication event
- The event is thought to facilitate chemical management
- Case studies should be presented to a broader audience

Preconditions for training

- Selection of suitable participants
- Selection of suitable pilot companies for inhouse training
- Provision of suitable trainers

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Department 4
Planning and Development



Chemical Management Training Programme

Improve Chemical Management to Gain Cost Savings, Reduce Hazards and Improve Safety

gtz | CHS
Convention Project
Chemical Safety

Objectives

Improve chemical management in order to: gain cost savings, reduce hazards and improve safety.



How can the GTZ - Chemical Management Guide help companies?

- Uses a step-by-step approach (continuous improvement!)
- Considers operating conditions of companies in developing countries; can also be used by small & medium sized enterprises
- Integrates multiple wins (economics, environment, worker's health & safety, organisational capacities)
- Relies on self-interest of industrialists to take action
- Does not depend on country's political / regulatory framework; does not replace legal requirements
- Provides key concepts & tools to analyse working practices.
- Outlines basic management systems to support action & follow-up.

GTZ Chemical Management Guide

Part I – Benefits of improved chemical management

Part II – Going into action

First module – Identifying 'Hot Spots'

Second module – Make a comprehensive inventory

Part III – Tools

1. Basic concepts for doing risk assessment
2. Description of control approaches for chemicals causing harm when breathed in
3. Control and Prevention of Chemicals causing Harm via Skin and Eye Contact
4. Using Material Safety Data Sheets (MSDS)
5. Risk Phrases (R-Phrases) for hazardous substances
6. Safety Phrases (S-Phrases) for hazardous substances
7. Symbols used for labelling hazardous chemical substances
8. Chemicals that can cause harm to the environment and basic recommendations

GTZ Chemical Management Training Manual

A Training Manual for Trainers was additionally developed to:

- Facilitate to future trainers the training when using the GTZ Chemical Management Guide
- Present the training methodology
- Gather all training materials: exercises, handouts, slide presentations

Training approach

- The training is presented in a participatory way that involves workers, company managers and health and safety environmental professionals
- The chemical management trainees are supposed to complete a facility chemical action plan together in a manner that supports the participatory research approach
- Networking of the participating companies during the training is encouraged
- The programme consists of two training modules that should be carried out in succession over a period of approximately six months to allow continuous improvement to the companies (see Programme "Arrow")

Target groups

- Companies (owners, managers, middle management)
- Consultants (environmental consultants/ business consultants)
- Trainers
- Intermediaries (representatives of governmental / non-governmental organisations)

