

Sustainable Industrial Area Transformation

GIZ Tools & Approaches

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Why Sustainable Industrial Areas (SIA)?

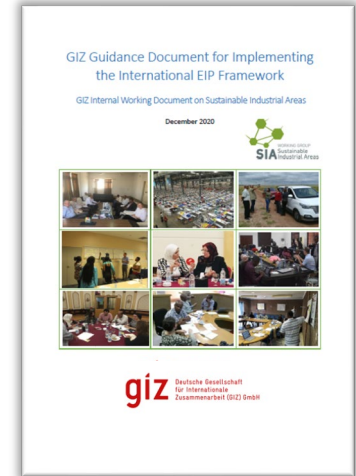
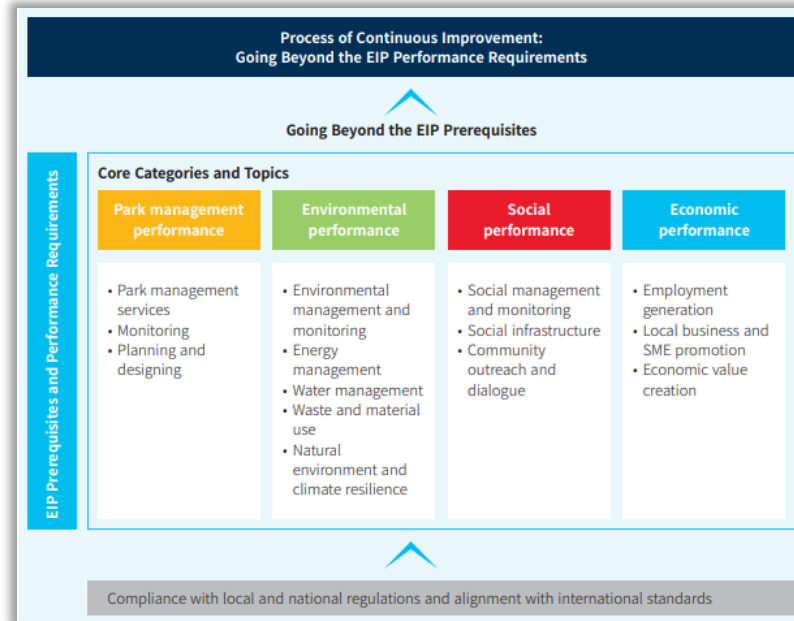
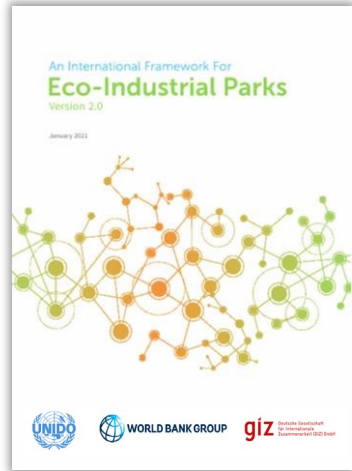
Promoting cross-industry and community collaboration for **common benefits** related to **economic, social** and **environmental** performance

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- Reduced use of **raw materials, water, energy and chemicals**
 - Reduced **waste** through resource circularity
 - Minimized **greenhouse gas emissions** and release of **pollutants**
 - Reduced environmental, climate, economic and social **risks**

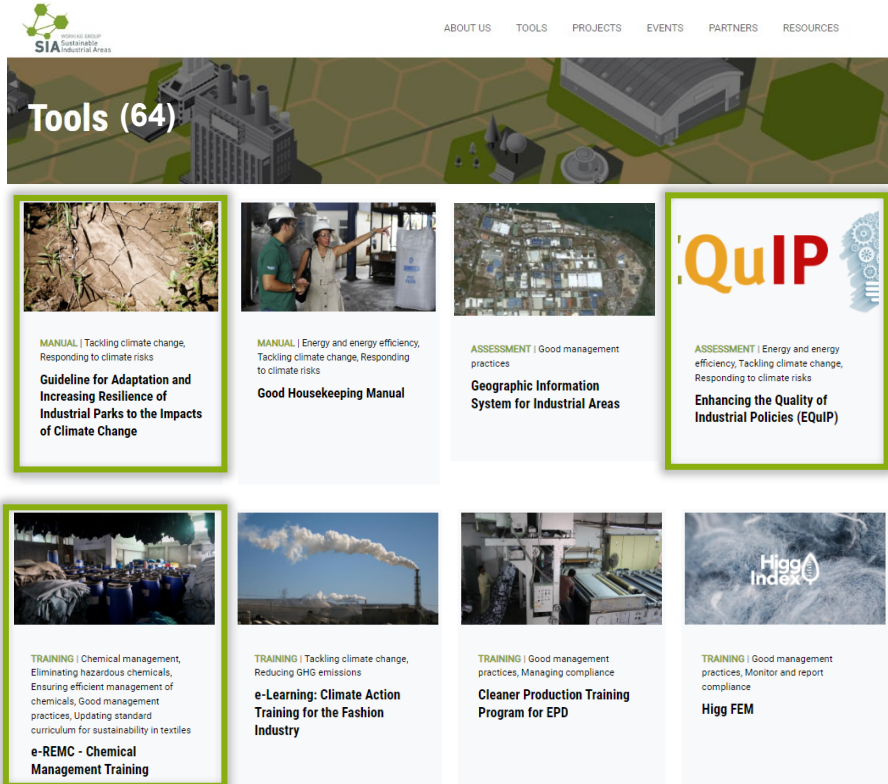


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- Improved **competitiveness** and **profitability**
 - Creation of good-quality **jobs** and promotion of **gender equality**
 - Improved workers **health and safety**
 - Increased **quality of life** for communities
 - Better access to **new technologies** and **finances**
 - Improved park management to oversee **overall performance**
 - Improved **resilience and business continuity**

Implementation of the International EIP Framework



Our Knowledge Platform: The SIA Toolbox



Tools (64)

ABOUT US TOOLS PROJECTS EVENTS PARTNERS RESOURCES

MANUAL | Tackling climate change, Responding to climate risks
Guideline for Adaptation and Increasing Resilience of Industrial Parks to the Impacts of Climate Change

MANUAL | Energy and energy efficiency, Tackling climate change, Responding to climate risks
Good Housekeeping Manual

ASSESSMENT | Good management practices
Geographic Information System for Industrial Areas

ASSESSMENT | Energy and energy efficiency, Tackling climate change, Responding to climate risks
Enhancing the Quality of Industrial Policies (EQIP)

TRAINING | Chemical management, Eliminating hazardous chemicals, Ensuring efficient management of chemicals, Good management practices, Updating standard curriculum for sustainability in textiles
e-REMC - Chemical Management Training

TRAINING | Tackling climate change, Reducing GHG emissions
e-Learning: Climate Action Training for the Fashion Industry

TRAINING | Good management practices, Managing compliance
Cleaner Production Training Program for EPD

TRAINING | Good management practices, Monitor and report compliance
Higg FEM

e-TRAINING | [Resource Efficient Management of Chemicals \(REMC\)](#)



Self-learning program tailored for technical professionals to **create awareness** and **promote knowledge** about health and environmental risks and ensuring compliance with international standards

Private Sector Innovation in Egypt

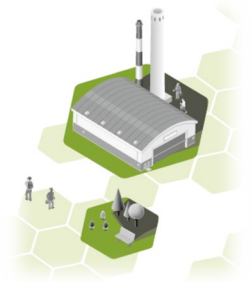
Case of the Elsewedy Industrial Zone



- ▶ **Area**
 - ▶ 1.1 million m².
- ▶ **Location**
 - ▶ 10th of Ramadan Industrial Zone.
- ▶ **Offerings**
 - ▶ Industrial land for sale.
 - ▶ Warehouse land for sale.
 - ▶ Administrative properties for sale/rent.
 - ▶ Commercial properties for rent.
 - ▶ Standard fabricated buildings for rent.
- ▶ **Industrial segmentation**
 - ▶ Engineering.
 - ▶ Food processing.
 - ▶ Other clean industries.

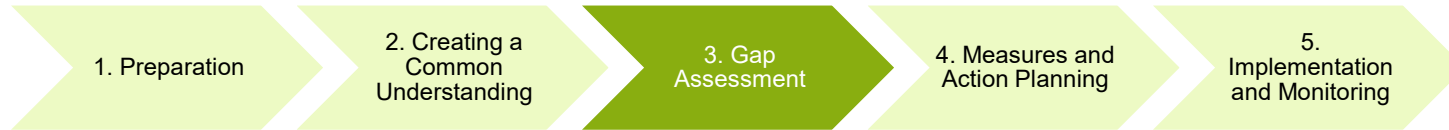


INDUSTRIAWEST



Enabling a Sustainable Industrial Area Transformation

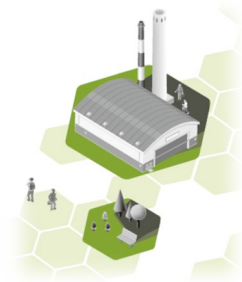
Implementation of the International EIP Framework



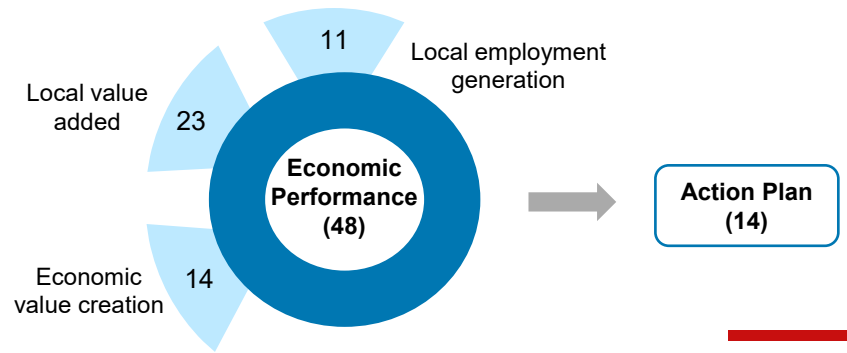
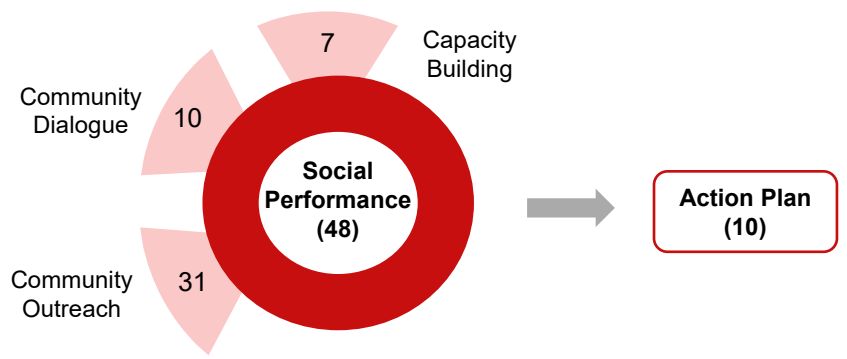
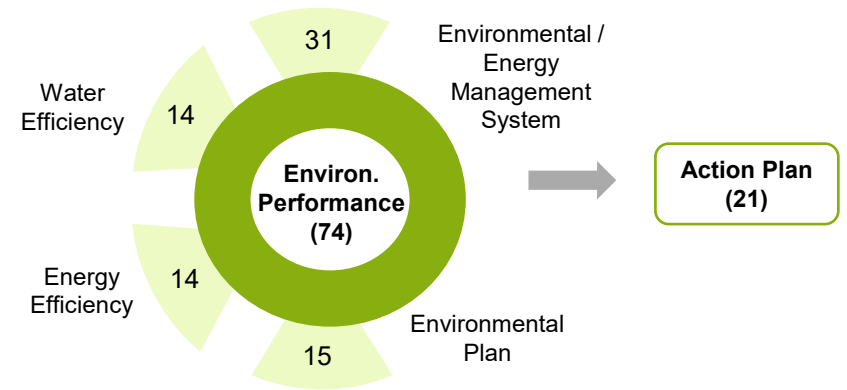
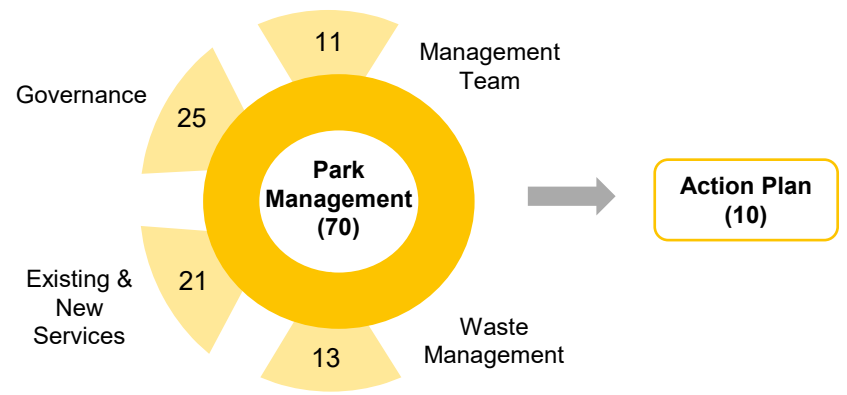
The **SIA transformation** requires a comprehensive **benchmark analysis** of the **current status** of the industrial area. The **Gap Assessment** provides the basis for the transformation process.

The tool has the following objectives:

- To **unveil the gaps** against the Intl. EIP Framework and identify improvement opportunities
- Assess the **level of compatibility** of the design and operation of the IP to the Intl. EIP Framework
- **Secure the commitment** of key resident companies for the SIA transformation
- **Gain momentum** in the transformation process
- Make the SIA transformation **visible** for the resident companies



Gap Assessment according to SIA / EIP Indicators



Implementation of the International EIP Framework

Addressing Identified Gaps – Examples from the Elsewedy Case

Park Management



Improvement of customer-relationship-management

- Update and conduct service satisfaction survey on a regular basis
- Development and implementation of action plan to improve performance of existing services

Environmental Performance



Introduction of an Environmental & Energy Management System

- Development of standardized procedures for EnMS and EMS (data acquisition, data evaluation, project creation)
- Acquisition of skills and equipment (incl. data loggers, recorders, diagnosis tools)
- Measurement of GHG-emissions and development of GHG reduction targets with investors

Social Performance



Increase and improve social infrastructure services

- Establishment of communication a grievance mechanism for factory employees
- Introduction of a program to increase attractiveness of workplace for female workers

Economic Performance



Generation of jobs in line with government targets and promotion of SMEs

- Build a network with vocational training institutes
- Match-making between resident firms and SMEs



Enabling a Sustainable Industrial Area Transformation

GIZ Services and Expertise





So again: Why Sustainable Industrial Areas?



Decarbonisation of the Industry



Just Transition



Sustainable Value Chains



Biodiversity & Resource Conservation

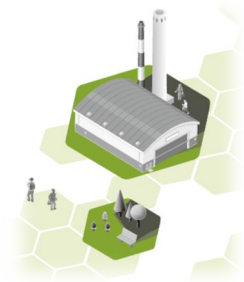


Transition to a Circular Economy

Sustainable Development Goals



? *How do governments already use industrial areas as catalysts to advance these transformations & global agendas? What are further potentials?*



Thank you!

Contact Information



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