



A Collection of Primary Tools



Green Industry

Tool GI 1 - New energy approaches for carbon replacement

What this tool does:

This tool helps industry and city CEOs to decide about new energy choices for existing or new industries in their city. The tool helps to optimise how (i) individual industries design or retrofit their processes and deal with energy consumption, materials and waste; and (ii) they interact with other industries and sectors for overall sustainable development, and (iii) the products produced in relation to energy and materials consumption.

How does it work?

Industries – new or existing - will need to decide on:

- Industrial policy change in the organisation;
- New energy model to be utilized (wind, photovoltaics, gas, fuel cells, etc.);
- Increased environmental performance through improved efficiency in resource use (energy, water, soil, air);
- Reduced management costs and increased competitiveness of businesses;
- Reduced risks and enhanced security for persons and goods inside and outside (neighbours) the industrial area.

The new energy approach requires feasibility studies with an assessment of the new energy model in terms of:

- Technical suitability;
- Financial feasibility;
- Economic feasibility;
- Environmental feasibility and concurrence with existing norms and legislation.

Literature / further information: <http://www2.giz.de/network/eid-toolbox/info/abfrage.asp>

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