Project Summary

Project Background
Climate Change is posing challenges to industrial development in India. Given that extreme climate events are expected to become more frequent, and that the consequences of climate change are ignored in industrial planning, India must reckon with dramatic increase in loss and damage in the industrial sector. At the moment, policy makers and businesses are mostly unaware of the necessity of adapting to climate change. Further they lack the technical capacities, rules, procedures, and planning instruments to cope efficiently with climate risks in existing and in new industrial areas.

Project Objectives
The Projects Objective was: Key decision-makers and planning authorities are able to plan and design existing and new industrial areas to be more climate-resilient.
To achieve the objective, planners and developers of industrial areas, as well as site supervisors have been trained to integrate climate risks systematically into planning and decision-making processes by using methodological guidelines. Decision-makers have been sensitised, plans for climate-sensitive industrial area development has been drawn up, and the subject was institutionalised among private sector actors and in state institutions. Hence it is possible in future to select sites for industrial development that are less at risk from climate change. Existing industrial areas shall be retrofitting accordingly, and the actors in vulnerable industrial areas can be prepared for the event of disaster.

Project Results
• The project has elaborated methodologies and guidelines defining what is needed to establish climate resilient planning and construction processes and retrofitting for industries and industrial areas.
• The project has ensured that the elaborated methodologies will be embedded in a policy framework, expressed in strategic planning of industrial development agencies.
• The project has ensured that national, state-level and local institutions as well as private sector organisations will actively advocate climate adaptation in the industry.
• The project has enabled industrial development agencies and authorities to incorporate climate adaptation into local planning and implementation processes.

Services Provided
The project activities were structured in four Work Packages (WP) as follows:
1) Risk analysis and methodology
2) Awareness-raising and capacity development
3) Policy Mainstreaming and Up-Scaling
4) Support planning and implementation

The services provided included:
• Development of risk-analysis and methodological Guidelines for a climate resilient design of Industrial Areas;
• Development of best practices handbooks and toolbox for engineers and planners regarding climate-resilient implementation of infrastructure measures;
• Compilation of information and awareness raising materials and awareness raising activities for important target groups such as decision-makers of industrial policy and spatial planning, entrepreneurs or industry associations;
• Training sessions, in cooperation with Indian training institutes, to build the capacities of technical staff from regional industrial authorities, private planning offices and industrial development agencies;
• Technical assistance for developing or improving existing and new plans on climate-resilient development of industrial areas;
• Implementation of pilot measures in Andhra Pradesh and Telangana;
• Promotion of mainstreaming of Climate Adaptation in the industry in relevant policies, strategies, action plans provision and procedures.