

# GICON®



## Development of Industrial Parks for the Chemical Industry

Selected Services  
by GICON®

# DEVELOPMENT OF INDUSTRIAL PARKS FOR THE CHEMICAL INDUSTRY

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## Overall Project Management

- Concept Development and project management for large scale environmental projects and industrial parks for the chemical industry
- Financing and Funding Models
- Support during privatization process

## Remediation Management and Land Recycling

- Analysis of contaminated sites (soil, groundwater, surface water)
- Concept development of rehabilitation framework
- Remediation management and monitoring
- Land recycling, rehabilitation based on subsequent use (investment associated rehabilitation)



## Decomissioning and Waste Management

- Planning of building decommissioning schedule
- Preparation of decommissioning and disposal concepts
- Landfill design and rehabilitation, interim waste storage
- Planning of waste disposal and incineration plants
- Waste management concepts
- Occupational health and safety

## Infrastructure Design, Water Supply and Disposal, Hydraulic Engineering (Pipelines and Sewage Treatment Plant)

- Planning of utility lines & systems (water, waste water, energy)
- Pipeline and pipeline layout planning
- Well regeneration
- Design and construction of water treatment plants and large-scale sewage treatment plants
- Industrial waste water treatment plants for industrial sewage containing chemical hazardous substances
- Planning of hydraulic engineering systems, diversion and bypass of rivers and streams, water system modeling



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## Plant Design and Plant Safety

- Plant and permitting process planning of various plants for the water supply, waste management and energy sectors
- Fire prevention and safety concepts
- Immission control
- Identification and impact assessment of technological processes on specific protected resources such as humans, air, water as part of environmental impact assessment studies

## Energy Concepts

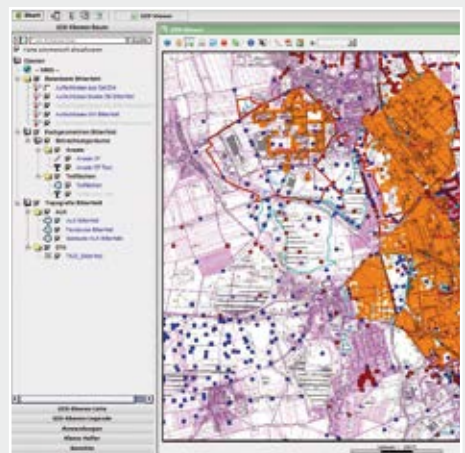
- Planning services for renewable energy (bio energy, wind power, solar power, geothermal energy)
- Engineering and optimization of energy conversion plants and energy supply systems
- Generation of material and energy balance, implementation of material and energy flow management systems to improve energy efficiency
- Concepts for promoting a sustainable, stand-alone energy supply

## Spatial Planning and Land Use Management

- Spatial planning and land use management of commercial and industrial sites
- Development of commercial and industrial use and reuse concepts
- Zoning plan development for commercial use as well as individual units as precondition for plant siting
- Environmental management (Guidance on development and optimization of quality management systems)
- Development of Life Cycle Assessments (LCA)

## Data Collection and Management

- Development of area based initial data sheets
- Database development
- Modeling of geology, groundwater, surface water and trend forecasts
- Web GIS



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