

GITEC

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INTEGRATED CONSULTING SERVICES WORLDWIDE

INTEGRATED CONSULTING SERVICES WORLDWIDE IS OUR PROGRAMME



THE COMPANY

Fields of Activity

- Water Resources and Sanitary Engineering
- Transportation and Construction
- Health
- Economic and Ecological Development
- Agriculture and Rural Development



Services

- Planning and Evaluation
- Engineering and Implementation
- Institutional and Human Resources Development

Integrated Services implies the unique approach of GITEC to involve all sectors relevant for an efficient completion of projects to the benefit of our Clients. We are convinced that a sustainable development requires a functioning infrastructure for the production and distribution of goods and a healthy population provided with basic commodities and working opportunities appropriate to the given socio-economic and ecological environment. Those components are reflected in GITEC's organization in five fields of activity.

Worldwide GITEC has been successfully active in more than 120 countries in Europe, Middle East, Africa, Asia and the Pacific, and Latin America since its origins back in 1954. GITEC places emphasis on roads, water supply and sanitation, irrigation systems, schools, hospitals and housing programmes, as well as on social and commercial infrastructure in combi-

nation with the conservation and management of natural resources and reforestation, agricultural production conditions and, most important, health education and family planning.



GITEC's greatest strength is its multi-disciplinary capability. The staff of 125 comprises engineers, planners and architects who join forces with agriculturists, health specialists, ecologists, economists, financial analysts and other specialists associating together on a regular basis. To cope with the challenges of international consulting, GITEC has maintained long-term relationships with local consultants who have met its high standards of services.

The Company's head office is in Duesseldorf. From there assignments are initiated, directed and supported all over the world, while, at present, some 40 branch and project offices handle an increasing volume of work in our Clients' countries.



1 Bolivia: Sewage Treatment Plant in La Paz - El Alto

2 PR of China: Forest Tree Nursery in Hunan Province

3 Philippines: Women's Health and Safe Motherhood Project

4 Bangladesh: Infrastructure Development in Tangail District

5 Dominican Republic: Workshop on the Promotion of Communal Initiatives

OUR CLIENTS



Clients worldwide have included national governments and multinational agencies, regional and local authorities, public enterprises and utilities, private corporations and individuals. GITEC has worked, directly or indirectly, for all the funding agencies listed here.

- World Bank (IBRD and IDA)
- Asian Development Bank (ADB)
- African Development Bank (AfDB)
- Inter-American Development Bank (IDB)
- Arab Fund for Economic and Social Development (AFESD)
- Kuwait Fund for Arab Economic Development (KFAED)
- United Nations Development Programme (UNDP)
- United Nations Industrial Development Organization (UNIDO)
- Food and Agriculture Organization of the United Nations (FAO)
- World Health Organization (WHO)
- European Development Fund (EDF)
- European Commission (EC)
- Organization for Economic Cooperation and Development (OECD)
- German Federal Ministry for Economic Cooperation and Development (BMZ)
- KfW Bankengruppe
- German Agency for Technical Cooperation (GTZ)

SERVICES



Planning and Evaluation

- Master Plans and Feasibility Studies
- Urban, Regional and National Planning
- Policy and Sector Studies
- Economic and Financial Studies
- Environmental and Social Impact Studies
- Technical and Resource Surveys
- Monitoring and Evaluation

Engineering and Implementation

- Preliminary and Final Design
- Tendering and Bid Evaluation
- Supervision of Construction and Maintenance
- Management of Force-Account and Self-Help Projects
- Procurement Agent's Services

Institutional and Human Resources Development

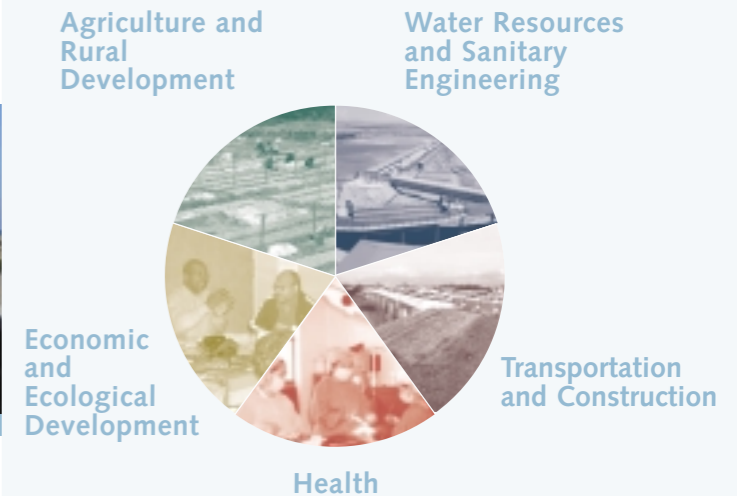
- Assistance in Operations, Maintenance and Commercial Management
- Organizational Analysis and Development
- Community Participation Development
- Design and Implementation of Training Programmes
- Production and Marketing Promotion
- Development and Introduction of Management Information Systems



GITEC's **Adapted Services** tuned to the specific local conditions cover all stages of the project cycle - from appraising, investigating and planning over the design and supervision of works through to operation and maintenance, including institutional strengthening and training. Besides the required engineering expertise, the services focus on consultancy and technical assistance to the Clients. A further concern is with the development and implementation of accompanying measures to infrastructure projects encompassing community participation, hygiene education and private sector promotion.

Applying the full range of services to its fields of activity, GITEC has the particular capability to compose flexible multidisciplinary working teams and secure its Clients a comprehensive project approach. With its specially developed management systems and procedures as well as interactive websites for monitoring, reporting and presentation, GITEC facilitates the Clients' information on project progress and achievements.

INTEGRATED APPROACH



The segments of the circle above symbolize GITEC's fields of activity and its respective project departments. The segments in various combinations illustrate the degree of GITEC's integrated approach in providing services of multidisciplinary expertise throughout each stage of the project cycle.



- 1 Indonesia: Hospital Rehabilitation in Palembang
- 2 Dominican Republic: Workshop for Participatory Micro-Planning
- 3 Peru: Operation of Water Treatment Plant Arequipa
- 4 Yemen: Aden Sewage Treatment Plant
- 5 Indonesia: Construction Industry Training

WATER RESOURCES AND SANITARY ENGINEERING



The scarceness of the resource water requires a comprehensive approach, involving the prospecting of new sources, the efficient utilisation, the appropriate design, implementation, and operation of service facilities, and the effective management of corresponding resources. Sensitization and participation of beneficiaries in all stages of a project cycle are essential to achieve a responsible attitude towards water as an economic commodity.

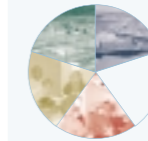
In the field of water resources development GITEC conducts hydrological, hydrogeological and water quality investigations and analysis, utilizing geophysical measurements and satellite imagery for modelling and GIS applications. In urban areas emphasis is placed on EDP-based inventory and inspection of the system infrastructure and EDP-supported design for rehabilitation and extension measures.



Services on irrigation and drainage projects are concentrating on efficient utilization of water resources including the reuse of treated wastewater. GITEC is one of the leading companies in providing technical assistance services for the Operation and Maintenance (O&M) of irrigation systems and has developed its own software facilitating the required information for an efficient O&M management.



GITEC's expertise gained in almost 300 water projects worldwide provides classical engineering solutions developed under intensive participation of all beneficiaries and stakeholders involved.



Water Resources Management

- Hydrology and Hydrogeology
- Water Quality
- Water Resources Development
- Hydraulic Engineering



Water Supply

- Water Development Infrastructure
- Treatment Plants
- Transmission and Distribution
- Rural Water Supply Systems



Sanitation

- Waste Water Treatment Plants
- Sewage and Stormwater Collection Systems
- Disposal of Treated Waste Water
- Recycling and Reuse Facilities
- Rural Sanitation
- Solid Waste Collection and Disposal



Irrigation and Drainage

- Water Development Infrastructure
- Irrigation Transmission and Distribution
- Drainage Infrastructure
- Reuse of Treated Waste Water



Systems Management

- EDP-based Operation and Maintenance Plans
- Infrastructure Management
- Concession Schemes

1 2 Malawi: Rural Water Supply Mangochi, Drilling of Boreholes and Completed Water Point

3 Uzbekistan: Pumping Station at new Water Works Khorezm

4 Egypt: Construction of Sewers in Kafr El Sheikh Governorate

5 Nepal: Irrigation Development in Mid-Western Region

6 Yemen: Sewage Treatment Plant Yarim

TRANSPORTATION AND CONSTRUCTION



Efficient transportation systems and social infrastructure facilities are the backbone for economic and social development. GITEC takes transportation systems not only to mean mere physical structures, but also targets its services at the financial and institutional improvements as well as community development required to maintain and to extend the road network.

The projects undertaken in all aspects of highway engineering cover well over 8,500 km of major highways in Africa, Asia and the Pacific, Europe and Latin America, in addition to large transportation infrastructure facilities.

Specialized experience has been gained in rural road projects. GITEC has undertaken extensive computer-aided road inventories as well as the planning, programming and implementation of rural road schemes stretching well over 100,000 km. In addition, the development of small contractor capacities, as well as labour-intensive construction programmes have featured prominently in GITEC's portfolio of transportation projects.

In order to bring about sustainability of the investment in road maintenance operations, institutional strengthening, human resources development and training enjoy top priority in GITEC projects.

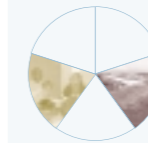
Since 1996, the Transportation and Construction Department is also responsible for architectural planning and engineering design, as well as supervision of construction of social infrastructure facilities, health care and other facilities, community facilities, schools, markets, low cost housing and slum upgrading schemes.



GITEC has a profound background in implementing Secondary Towns Development Programmes, and in planning the rehabilitation / new construction of major hospitals / teaching hospitals with more than several 100 of beds.

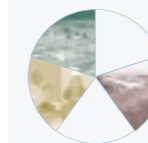


- 1 Bangladesh: Hatubhanga Bridge in Tangail District
- 2 Dominican Republic: Primary Schools Construction Programme
- 3 Burkina Faso: Upgrading of National Road 1 Ouagadougou – Boromo
- 4 Lao PDR: Labour-intensive Road Maintenance on Route Nationale 6
- 5 Malawi: Secondary Centres Development, Balaka Central Market
- 6 Indonesia: Improvement of Dr. Mohammad Hoesin Hospital, Palembang



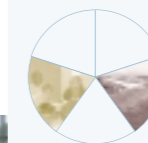
Highways

- Motorways
- Primary and Secondary Roads
- Toll Roads
- Traffic Monitoring Facilities
- Bridges and Drainage Structures



Rural Roads

- Gravel and Earth Roads
- Emergency Opening of Roads
- Labour-Intensive Road Construction and Maintenance
- Small Contractors Development



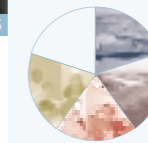
Road Construction and Maintenance Management

- Road Maintenance Management Systems
- Training Production Units
- Force-Account Programmes
- Disposition Fund Management Services



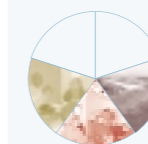
Urban Development and Infrastructure

- Secondary Towns Development Programmes
- Industrial / Commercial Areas Development
- Urban Upgrading and Development Schemes



Housing Area Development and Upgrading

- Low-cost Housing Schemes
- Slum Upgrading
- Resettlement Schemes



Social Infrastructure Facilities

- Health Centres, Hospitals
- Schools, Teacher Training Centres
- Emergency Reconstruction Programmes
- Markets, Craft Centres, Bus Stations



"The enjoyment of the highest attainable standard of health is one of the fundamental rights of every human being..."¹

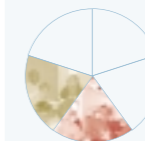
Increased access to Voluntary Counseling and Testing (VCT), targeted communication campaigns with clearly stated behaviour change objectives, measures to ensure the safety of blood products, prevention of mother-to-child transmission and improved management of sexually transmitted infections have all proven their effectiveness in preventing the spread of HIV. For several years, GITEC has been involved in setting up programmes in these fields. Recently, the workplace has gained importance in health promotion activities. GITEC has included support to HIV/AIDS workplace programmes into its Social Marketing Programmes.

In addition, GITEC provides support to national Tuberculosis programmes based on the DOTS (Directly Observed Treatment, Short Course) and

DOTS-Plus strategies advocated by the World Health Organization. Besides HIV/AIDS, Tuberculosis and Malaria, health problems that will gain importance in the future will include diseases caused by environmental degradation, unsafe water supply and sanitation, as well as life-style related and degenerative diseases.



Necessary activities to enhance health systems in resource-constrained environments span from support to health sector reform and decentralization, establishment of health financing systems, and improved health information systems to measures to upgrade infrastructure and equipment of health facilities and to ensure supplies with essential drugs and other consumables, and to enhance human resource capacities for health. This includes also specification, procurement, supervision of installation of, and training on, medical equipment. With various projects and up to large-scale programmes in all of these areas, GITEC is contributing to the strengthening of health systems and health services worldwide.



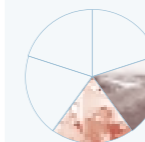
Health System Development

- Health Policy Development
- Health Sector Reform and Sector Wide Approach
- Health Financing
- Health Information Systems



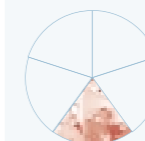
Prevention and Health Promotion

- Knowledge, Attitudes and Practices (KAP)
- Community Participation and Health Education (CPHE)
- Information, Education & Communication (IEC)
- Behaviour Change Communication (BCC)
- Environmental Hygiene and Sanitation
- Maternal and Child Health



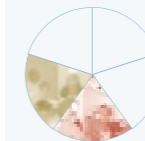
Health Services

- Planning of Health Facilities
- Procurement of Medical Equipment and Essential Drugs
- Human Resources for Health
- Hospital Management
- Management Information Systems



Reproductive Health

- Family Planning Services
- Safe Motherhood Programmes
- Prevention and Treatment of Sexually Transmitted Infections



Disease Control Programmes

- Support to National Tuberculosis Programmes
- Malaria Control Programmes
- Integrated Management of Childhood Illness
- Infectious Disease Surveillance Systems
- Support to National HIV/AIDS Programmes
- Social Marketing
- Antiretroviral Treatment

¹ Armenia: Equipment of Hospitals

² Malawi: Health Education and Delivery of Essential Drugs

⁴ Philippines: Procurement and Maintenance of Medical Equipment

⁵ Namibia: Bill Board for the Social Marketing of Condoms

ECONOMIC AND ECOLOGICAL DEVELOPMENT



1

With the definition of the UN Millennium Development Goals it is finally recognized that sustainable development ultimately depends on the appropriate integration of economic, ecological, and social factors in development planning and practice.



3

GITEC's Department of Economic and Ecological Development assumes a coordinating role in integrating multi-disciplinary expertise required for preparation and implementation of projects and measures that support a healthy environment and social well being as the basis for poverty alleviation and sustainable economic development. Emphasizing the environment-development link, it renders consulting services to national, regional and local development planning processes to promote the most effective allocation of scarce financial and natural resources and to improve quality of life.

Regarding poor people and their institutions as initiators, collaborators and decision makers, GITEC is supporting Social Funds and other demand driven instruments such as community driven development specifically designed to adequately respond to the special needs of vulnerable groups at community and at municipal level. Realizing that only the participation of communities and an adapted and economically viable project approach can lead to substantial results in improving living conditions, GITEC's economists and financial analysts provide socio-economic planning services as part of infrastructure projects.



4

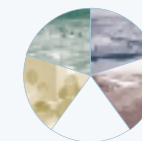
Weaknesses in management are a widespread impediment to the operation of most public facilities. Efforts to privatize those are underway in many countries, specifically in transition economies. Management consulting is therefore another service rendered by GITEC's Department of Economic and Ecological Development with special emphasis on marketing of water services. Projects focus on providing appropriate guidance on how public utilities and the private sector working with other key stakeholders can meet the needs and demands of consumers, including the poor, whilst remaining financially viable by the adaptation of an innovative commercial / marketing approach.



5

Environmental Management

- Spatial and Strategic Development Planning
- Integrated Watershed Management
- Management Planning of Protected Areas
- Environmental Impact Assessment
- Water Resources Management



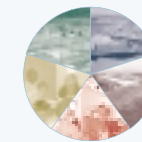
Local Development

- Decentralization
- Social Funds
- Community Driven Development
- Municipal Planning & Budgeting
- Legal and Institutional Frameworks
- Central and Local Government Administration



Socio-Economic Planning

- Socio-Economic Studies
- Tariff Studies
- Financial Analysis



Management Consulting

- Organizational Development and Training
- Financial Management
- Public Utility Management
- Private Sector Promotion
- Marketing of Water Services



1 PR of China: Village Survey in Hebei Province

2 3 Dominican Republic: Soil Testing for Natural Resources Management in the River Yaque Basin and Promotion of Communal Initiatives

4 Uzbekistan: Management Training for Choresm Water Works Staff

5 El Salvador: Low-cost Housing El Sauce

AGRICULTURE AND RURAL DEVELOPMENT



The improvement of rural livelihood, food security, and sustainable resource management are core goals of GITEC's Agriculture and Rural Development Department. The department's expertise covers a wide range of specializations and has been built through more than 30 years of providing technical assistance to projects and programmes in Africa, Asia, Europe and Latin America.



The department is committed to support its Clients in transforming their crop, livestock and irrigation sectors into efficiently managed, highly productive systems that are sustainable, support growth, and bring about prosperity to rural families.



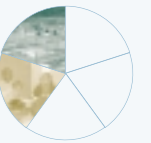
Combining community development with natural resources management is a strategic element for reducing rural poverty. Through an integrated and cross-sectoral approach, GITEC is promoting watershed management and desertification control by means of forest management and sustainable land use systems.



The department steadily expanded its services in institutional development, policy advice, programme formulation and training and extension. Within that scope, a wide range of capacity building activities such as formal and informal training, in-country study tours and training abroad is being implemented.

Rural Livelihood

- Community Development
- Farmer Organizations and Village Institutions
- Social and Rural Infrastructure
- Food Security and Poverty Alleviation
- Rural Finance



Agriculture

- Crop Intensification and Diversification (rainfed and irrigated)
- Livestock Production and Animal Health
- Participatory Irrigation Management
- Agricultural Support Services and Marketing
- Agricultural Engineering



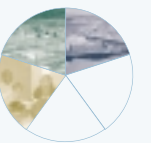
Forestry

- Forest Resources Assessment and Monitoring
- Afforestation and Reforestation
- Forest Planning and Management
- Social and Community Forestry
- Policy, Programmes and Institutions



Natural Resources Management and Environment

- Land Use Planning and Management
- Soil and Water Conservation
- Desertification Control
- Watershed Management
- Resource Economics



- 1 Cambodia: Support Programme for the Agricultural Sector
- 2 3 India: Community Mobilization and Diversion Weir for Irrigated Agriculture in Maharashtra
- 4 5 PR of China: Desertification Control in Inner Mongolia and Log Transport in Hunan Province

GUIDING PRINCIPLE

Through the high degree of quality awareness of its employees GITEC ensures that the requirements of its Clients in terms of technical and economic standards as well as reliability are met.

Duesseldorf, May 2005

