

PROJECTS IN THE SECTORS WATER, SANITATION & ENVIRONMENTAL ENGINEERING



Country	Project Title	Partner/ Client (Funding Agency)	Services	Project Duration		Associated Company
				Start	End	
Congo	Accompanying Hygiene and Health Measures to Drinking Water Supply: Definitive Study and Introduction of Measures	Société Nationale de Distribution d'Eau - SNDE (KfW)	Technical, environmental, socio-political and quantity studies; estimation of cost and feasibility study. Proposal, planning and realisation of accompanying measures; introduction of information systems and computers; institutional structures development studies; urban and rural sanitation; assistance to local health services and training of the health staff; low cost sanitation program including construction of VIP latrines with community involvement; introduction of environmental technologies of waste evacuation (market and hospital); creation of a health committee; elaboration and execution of sensitisation campaigns through various media (meetings, newspapers, comics, choir, video) as well as health education campaigns including prevention of intestinal parasites.	Mar 1983	Dec 1992	
Guinea	Beyla Water Supply Programme	Service National d'Aménagement des Points d'Eau - SNAPE (KfW)	Conduct of surveys; analysis of health problems, elaboration of appropriate solutions; elaboration and organisation of assignments of future responsible persons (health education, surveys, concrete sanitation measures); organisation of a hygiene campaign for the population; training of the regional staff responsible for public hygiene; elaboration and introduction of didactic material adapted to the project zone; construction and supervision of well drilling works and building of toilets (hospital, schools, markets); creation of a "Water Committee" for each bore well, organisation of a spare-parts distribution system.	Apr 1986	Sep 1991	Dorsch Consult Ingenieurgesellschaft mbH (DC), Germany
Peru	Institutional Strengthening of Water Supply and Sewage Services of Trujillo (SEDAPAT), within the framework of Immediate Measures to Improve Drinking Water Supply and Sewage Disposal in Trujillo, Ica and Pisco	Superintendencia Nacional de Servicios de Saneamiento - SNSS (GTZ)	Long and short term technical assistance in all fields of the project, the specification, tender and acquisition of equipment and material as well as organisation of workshops and trainings. The project included the rehabilitation and equipment of 50 existing deep wells, the water distribution networks and storage system as well as sewerage system. It also included education campaigns and promotion of appropriate technologies with active community participation; institutional development and training of staff; transformation of services in autonomous and economically solid companies with development of corresponding structures.	Nov 1987	Mar 1995	

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Guinea	Mamou Rural Water Supply	Service National d'Aménagement des Points d'Eau - SNAPE (KfW)	Technical and socio-economical studies; hydrogeological investigations; supervision of drilling works for 335 deep wells, 50 exploitations of water sources and 50 latrine units for schools and health centres; elaboration and execution of training programmes for animators; execution of animation campaigns in the villages; elaboration of didactic materials especially adapted for the project area; promotion of self-management systems in the villages with "water committees"; elaboration of a maintenance and repair system	Feb 1991	Jun 1993	Dorsch Consult Ingenieurgesellschaft mbH (DC), Germany
Benin	Promotion of Sanitation Installations at Low Cost	Ministry of Health		Feb 1992	Mar 1993	
Côte d'Ivoire	Evaluation of Basic Sanitation Project	Ministry of Environment, Construction and Urban Development (GTZ)		Jan 1993	Sep 1993	
Ecuador	Technical Assistance for the Improvement of Public Services in Babahoyo - Evaluation Mission	Municipality of Babahoyo (GTZ)		Mar 1993	Mar 1993	
Benin, Tanzania, Zimbabwe	Introduction of Appropriate Technologies for Basic Sanitation - Project Final Report	Various entities		Jul 1993	Jul 1993	
Guinea	Feasibility Study for Rural Water Supply in Mali, Koubia, Lelouma and Telimele Prefectures	Service National d'Aménagement des Points d'Eau (SNAPE)		Nov 1993	May 1994	Dorsch Consult Ingenieurgesellschaft mbH (DC), Germany
Peru	Feasibility Study for Water Supply and Sewage Disposal in Pisco and Surrounding Areas	Superintendencia Nacional de Servicios de Saneamiento - SNSS (KfW)	Hydrogeological study including drilling of three test wells; socio-economic and market studies; study on the environmental impact; technical evaluation and pre-design of the water supply system (filtration gallery, deep wells, pipeline, water tanks, distribution system, domestic connections with micro-metering); pre-design of the evacuation system and treatment of sewage (collectors, pump stations, stabilisation pond systems); financial analysis including tariffs and budget planning; cost-benefit analysis of the project; institutional evaluation and elaboration of proposals for the re-organisation of EMAPISCO.	Nov 1993	Nov 1994	GKW Consult, Germany

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Peru	Improvement of Basic Sanitation Sector - Subprogramme Institutional and Operational Development in Piura, Tumbes, Chimbote	Ministry of the President and National Program for Water Supply and Sewerage PRONAP (IDB)	For each corporation an institutional evaluation was carried out which included quality of services, financial and commercial situation, a technical and operational evaluation of the water supply and sewage disposal including an environmental and vulnerability analysis. Subprograms were elaborated with organisation, administration, commercialisation, finance and human resources. Master plans were developed for the rehabilitation and extension of water supply and sewage disposal. An economic evaluation of each institutional and operational sub-program was carried incl. financial projections.	Jan 1994	Jun 1994	AMSA Consultores, Peru
Peru	Improvement of Basic Sanitation Sector - Subprogramme Institutional and Operational Development in Juliaca, Puno y Tacna	Ministry of the President and PRONAP (IDB)	For each corporation an institutional evaluation was carried out which included, quality of services, financial and commercial situation. A technical and operational evaluation of the water supply and sewage disposal was made including an environmental and vulnerability analysis. The subprograms were elaborated in organisation, administration, commercialisation, finance and human resources. Master plans were developed for the rehabilitation and extension of water supply and sewage disposal. An economic evaluation of each institutional and operational subprogram was carried out including financial projections.	Jan 1994	Jun 1994	AMSA Consultores, Peru
Peru	Water Supply and Sanitation Trujillo: Improvement of Basic Sanitation for the Town of Trujillo	Empresa de Servicios de Agua Potable y Alcantarillado de la Libertad SEDALIB (KfW)	Revision of previous studies, evaluation of the sewage system, market study, analysis of the environmental impact and the possibilities of the re-use of sewage in agriculture, elaboration of final designs, of technical specifications and tender documents, assistance to SEDALIB in evaluating tenders and in contract negotiations of civil works and delivery of pipes and equipment; as well as supervision of the works and delivery; elaboration of concepts for the measuring system and assistance in its implementation.	Jun 1995	Jul 1998	GKW Consult, Germany

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Peru	Sanitation of the Town of Chiclayo	Empresa Municipal de Agua Potable y Alcantarillado de Lambayeque - EMAPAL (KfW)	Revision of the previous studies, evaluation of the sewerage system, study of market, analysis of the environmental impact and the possibilities of the re-use of sewage in agriculture; elaboration of definitive designs, of technical specifications and tender documents; assistance to EMAPAL in evaluating tenders and in contract negotiations of civil works and delivery of pipes and equipment; supervision of the works and delivery. Moreover, the services contained the optimisation of the design and the supervision of the works of the outfall sewer Norte-Norte and of the stabilisation pond systems Pampa de Perros.	Sep 1995	Dec 1998	GKW Consult, Germany
Honduras	Water Supply and Basic Sanitation Programme in a Rural Area of Honduras	Ministry of Health (EC)	Community activities had been realised, oriented to create infrastructures, which render continuous services regarding quality and quantity. Water supply: Administration of the operation and maintenance of the system; monitoring of the water quality; maintenance of the basin; strengthening of the water committee; establishment of adequate tariffs and administrative clarity. Implementation of training activities concerning health, prevention and treatment of diseases; strengthening of the environmental balance as factor of health; networking with NGOs, local experts and municipal structures.	Nov 1995	Dec 1998	
Peru	Feasibility Study for Minimal Costs Expansion Plans: Group 4	Ministry of the President and Programa Nacional de Agua Potable y Alcantarillado - PRONAP (Inter-Amer. Dev. Bank)	Diagnosis of the water supply and sewage disposal systems, social-economic study, elaboration of pre-designs (deep wells, treatment plants, pipelines, reservoir, distribution systems, domestic connections with micrometering; sewage disposal system, collector system, pump stations and stabilisation pond systems); evaluation of the environmental impact and study on the re-use of sewage in agriculture; estimation of cost, elaboration of the calendar of investments, economic evaluation (for water by SIMOP, for sewage using the method of contingent valuation) and financial evaluation; analysis of marginal tariffs and distributive impact; elaboration of terms for the final design of sites.	Jan 1996	01/1997	GKW Consult, Germany AMSA Consultores, Peru

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Peru	Water Supply and Sewage Disposal in Pisco: Final Design and Supervision of Works	EMAPISCO (KfW)	Completion of the hydrogeological study; design of the water supply system (filtration gallery, pipeline, distribution system, domestic connections with micrometering) and the evacuation system and treatment of sewage (collectors, pump stations, stabilisation pond systems); study on the environmental impact; elaboration of a confidential budget, technical specifications, tender documents, modes of contract; assistance to EMAPISCO during the tendering phase, negotiations and signing of contracts for civil works and deliveries, supervision of works, reception of equipment and materials, preparation of drawings of the executed works.	Aug 1997	05/2003	GKW Consult, Germany
Nicaragua	Water Supply and Basic Sanitation in the Rural Area of Nicaragua	ENACAL (EC)	Investigations (climate, hydro-geology, existing installations) in the project zone; technical feasibility study including applied technologies; budget planning; supervision of works; definition of the proposed ways for sources protection; sensitisation and trainings of target-groups and identification of the various forms of community participation; procurement of equipment, materials and services; courses for the staff of the implemented water committees.	Nov 1999	11/2004	Hydea, Italy FINNCONSULT, Finland
Ecuador	Water Supply and Sanitation Project for Rural Communities and Small Municipalities in Ecuador - PRAGUAS	Ministry of Urban and Housing Development (MIDUVI) (BIRF)	Assistance in the elaboration of Terms of Reference and pre-contractual documents for the selection of Technical-Social Intervention Organisations; assistance to the municipality in the organisation and development partner selection and contracting process for social and technical pre-investment and supervision; evaluation of water supply and sanitation studies; cooperation with the municipality in the organisation and development of the investment contracting process (civil works); conduct of workshops and other events for training the municipal sanitation teams.	Nov 2001	10/2003	HYDEA S.r.L., Italy, CAMINOSCA Caminos y Canales, Ecuador
Honduras	Water Supply and Sanitation in Suburban Areas of Tegucigalpa	Commission of the European Communities	Conduct of feasibility studies for water supply projects in the North-eastern suburb of Tegucigalpa and for the integrated sanitation project in the hydrographical basin of "Quebrada Agua Salada"; elaboration of the final designs for the projects; establishment of construction time schedule, with distinction between construction lots to be tendered; supervision of rehabilitation construction works and extension; delivery of equipment; training of the local staff in charge of operating and maintaining water supply systems and sanitation.	Feb 2002	Dec 2010	TYPSA, Spain

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Dominican Republic	Environmental Sanitation of the Suburbs of the Town of Santo Domingo (SABAMAR)	Government of the Dominican Republic (EDF)	Educational and organisational activities; enhancement and strengthening of leadership with gender emphasis; health and environmental education; socio-cultural and institutional strengthening, strengthening of women; mitigation of natural disasters; environmental protection; implementation and rehabilitation of infrastructure; creation of micro-entrepreneurs; water sewage and disposal of solid waste; appropriate technology (social engineering); economic and financial aspects	Feb 2002	Apr 2003	TYPSA, Spain
Rwanda	Micro-hydropower stations	Belgian Technical Cooperation	Editing the technical and financial folder incl. forward planning centred on the activities and results in concordance with the financial schedule; allocation of the financial and human resources provided by both Governments; quality and quantity indicators that permit to control if the results have been reached; draft agreement between the Government of Belgium and CTB.	Mar 2006	Apr 2006	SHER Ingénieurs- Conseils S.A., Belgium
Poland	Evaluation sewage water in the town Ogordzieniec	INBAS	Evaluation project	Sep 2008	Sep 2008	