

Country	Year	Description	35 Years of Transfer of Technology in Dredging	Client
Netherlands	2000 - 2011	Market study on large trailing suction hopper dredges around the world, their workload and their availability for projects in The Netherlands		Rijkswaterstaat, Directie Noordzee, The Netherlands
Netherlands	2010	ORIO the Facility for Infrastructure Development is funded by the Dutch Minister for Development Cooperation to encourage public infrastructure development in developing countries.		ECORYS Nederland bv
Netherlands	2010	Second opinion on a financial study to purchase and operate a Trailing Suction Hopper Dredge, check the assumptions and figures for the business case and comment on the results and recommendations in the case.		Witteveen + Bos
India	2006 - Ongoing	Technical assistance to employer with respect to assessment of fit for purpose of dredges and supervision of dredging contractor during the dredging of an access channel to a steel plant.		Essar Bulk Terminals Ltd, India
Denmark	2004 - ongoing	Theoretical and practical training of management staff and officers of a fleet of trailing suction hopper dredges		Rohde Nielsen A/S, Århus, Denmark
Kenya	2009 - 2010	Secure water resources for Kwalu international Sugar Co Ltd development, by assessment of water resources, design water intakes and design and supervise construction of reservoirs		Unifresh Exotics Kenya Ltd
Bangladesh	2005 - 2010	Assessment of options, work methods and costs for improvement of rivers and sea approach channel for export of coal. Study of River and Channel capacities for Shipping and Barging plus Dredging Requirements for navigation from Khulna to Akram Point with barges and from there onwards to Bay of Bengal with Panamax size ships.		Asia Energy Corporation (Bangladesh) Pty Ltd
Algeria	2009	Advise on dredging pipe trench for desalination plant by pump on salvage tug		Seascope
Netherlands	2009	Assessment of silt release from the reclamation site due to the dredging of a new harbour basin and reclamation of industrial plots in the Port of Flushing, the Netherlands.		Exploitatiemaatschappij Schelde-Maas
Ghana	2006 - 2009	Assessment and technical assistance for upgrade of Takoradi Shipyard, Ghana		Amandi Holding Ghana Ltd
India	2008 - 2009	Assessment of K.L. College of Engineering in Vijayawada for implementation of a dredging module in the college curriculum		Van Oord Dredging and Marine Contractors BV
Denmark	2009	On-the-job training in silt dredging of TSHD crew		Rohde Nielsen A/S
Ghana	2006 - 2008	Assessment of tender documents and advice to contractor for tender purposes for tender for dredging and quay wall construction		Amandi Holding Ltd, Ghana
India	2008	Supervision of dredging contractor cum pipeline protection contractor protecting a pipeline landfall in a river mouth		Allseas Marine Contractors S.A.
Netherlands	2004 - 2008	Assessment of Marine Borrow Areas as a source to reclaim Maasvlakte 2. Assessment produced input for the Environmental Impact Assessment.		Gemeentelijk Havenbedrijf Rotterdam
India	2008	Technical assistance in the design of the dredging and reclamation works for Mundra West Port dredging		Howe (India) Pvt Ltd
Fiji	2007	Engineering options and solutions to establish Tarawa's (Kiribati) proposed offshore aggregate dredging company		Pacific Islands Applied Geoscience Commission (SOPAC)

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Ghana	2007	Assessment of dredging requirements for sixteen drinking water reservoirs of The Ghana Water Company Ltd (GWCL) through its Project Management Unit (PMU) in ten regions of Ghana		The Ghana Water Company Ltd (GWCL)
Sudan	2005 - 2007	Design and supervision of construction of Roller Sluice Gates for regulators for irrigation canals in the Gezirah, The Sudan		DEMAS technical support by
Ecuador	2006 - 2007	Complementary dredging of Amaluza Reservoir, Ecuador. Price and technical due diligence study.		De Nederlandse Investeringsbank voor Ontwikkelingslanden N.V., FMO, Mevr. M Oosterbaan
Netherlands	2006	Second opinion on quantities dredged to create a trench for a shore approach of a pipeline. The quantities were validated and calculated based on surveys provided by the client.		TeleSecure Limited / Gasunie / BBL
Netherlands	2006	Production calculations for trailing suction hopper dredges for projects in Europe for a civil contractor owning some dredges		Detlef Hegemann GmbH, The Netherlands
Netherlands	1995 - 2006	Technical assistance and advice on dredge production capacity calculation for for Dutch dredging contractor		Ballast Ham Dredging BV, The Netherlands
Netherlands	2006	Assessment of soil data in tender documents to support claim for adverse dredge condition		D Blankevoort International Dredging Company
Netherlands	2004 - 2006	Production calculations for dredging equipment of contractor Müsing dredging for projects in Africa and Europe		Müsing B.V. - Dredging & Civil Construction
Denmark	2006	Assistance to Rohde Nielsen regarding taxation case		Rohde Nielsen A/S, Denmark
Bahrain	2005	Project manager and technical assistance to construction contractor on reclamation project (25 Mm3)		Wade Adams (Bahrain) W.L.L., Bahrain
Bahrain	2005	Project manager and technical assistance to construction contractor on reclamation project (25 Mm3)		Al Mahdi Est, Bahrain and later Wade Adams, Bahrain
Indonesia	2004	Review of the design and technical specification, specifically the aspects of channel geometry/alignment, methodology and economics of dredging and disposal of Segara Anakan Conservation and Development Project, Indonesia. Through Binnie Black & Veatch (International) Ltd		Directorate General of Water Resources (DGWR) Jakarta
Nigeria	2004	Consultancy Services for the Nigerian Port Authority		Hire Pacific International (NIG) Ltd., Nigeria (HPI)
Algeria	2003 - 2004	Theoretical and practical training of Algerian staff and officers of a cutter suction dredge		DAMEN Shipyards Gorinchem, The Netherlands
Netherlands	2003	Market study on dredging projects for TSHD's in the Western European region 2003		Koop Tjuchem, The Netherlands

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Sudan	1998 - 2003	Design, supervise construction of small cutter suction dredge (CZM150) for maintenance of irrigation canals of Sennar Sugar Company Ltd. Supervision of dredge assembly at site and training of dredge operator for the cutter suction dredge.		DEMAS technical support by
Pakistan	2003	Assess suitability of trailing suction hopper dredge for the PDIC maintenance dredging project		SN Innovations (Pvt) Ltd
Saudi Arabia	2003	Supervision services for Aramco, Saudi Arabia		ABConsultancy & Supervision, The Netherlands
United Kingdom	2003	Analysis of draghead and cargo quality of aggregate dredge for various draghead types and circumstances		Hanson Aggregates Marine Ltd, Great Britain
Ghana	2003	Preparation of dredging plan to dredge water reservoir with cutter suction dredge in Ghana		Dutch Maritime Management International
Netherlands	2003	Expert advice on extraction of aggregates from the North Sea for industrial use as a member of the working Group "PIA zeezand"		Subwerkgroep PIA Zeezand, Gemeentelijk Havenbedrijf Rotterdam
Netherlands	2002 - 2003	Assessment of working methods and planning for extraction of sand from Marine Borrow Areas to reclaim Maasvlakte 2, and supervision of assessment of construction of breakwaters and shore protection works for the projected Europort extension in Rotterdam		Expert Centre, Project Main Port Development Rotterdam, The Netherlands
Netherlands	2001 - 2002	Preparation of manual and conduction class room lectures on pipe line transport for the International Dredging Academy in Rotterdam, the Netherlands		International Dredging Academy / Boskalis
Netherlands	2002	Expert support to supervise dredging contractor on a pipe landfall project in Trinidad and Tobacco		Allseas Engineering BV, The Netherlands
United Arab Emirates	2002	Second Opinion on hydrographic survey Palm Island II, Dubai		Continental International Trading, Dubai
Netherlands	2002	Update of 2nd opinion "cost calculation of sand extraction"		Rijkswaterstaat, Dienst Weg- en Waterbouwkunde, The Netherlands
Netherlands	2001 - 2002	Study on deployment of crew and costs of crew of trailing suction hopper dredges		Bouwdienst Rijkswaterstaat, Utrecht/Zoetermeer
Netherlands	2001 - 2002	Assessment of tender dossier for the reclamation and auxiliary works for the extension of Maasvlakte, Rotterdam		Expert Center - Project Mainport Rotterdam
Ghana	2001	Theoretical and practical training of officers of backhoe dredge in the Netherlands, plus on-the-job training in Ghana		Dutch Maritime Management International
Germany	1994 - 2001	Expert on arbitration case "Project Nienburg, Zandwinning"		Farema GmbH

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Canada	2000 - 2001	Technical and economical advise and expert witness in an arbitration on dredging glory holes in 100 m deep water in Canada		Singleton Urquhart legal counsel, Canada
Bangladesh	1999 - 2001	Professional Service for the Land Filling Works at the Lafarge Surma Cement Ltd. Plant site. Design and engineering, site management and contractors supervision for reclamation of industrial development site along Surma River		Lafarge Centre Technique Inter-Unités, France
Netherlands	1999 - 2001	Assessments of tender proposals, working methods and planning of dredging gravel in river Meuse		D.O.O.R. B.V., The Netherlands
Italy	2000 - 2001	Study on dredging and placement options to cap inter-tidal mudflats in the Lagoon of Venice, Italy		Technital S.P.A.
United Kingdom	2001	Theoretical and practical training of officers of trailing suction hopper dredges		UK Dredging, United Kingdom
Netherlands	1995 - 2001	Provide the engineers on board CSD with the latest technology with respect to the pumps and hydraulic and other control equipment and instruments		SFOB (Dutch Foundation for Education in Dredging Industry)
Spain	2001	Study on dredging techniques to mitigate erosion of beaches and siltation of ports along coast Catalunya		SENER Ingenieria Y Sistemas, S. A., Spain
Netherlands	1993 - 2001	Implementing training course for dredge masters of cutter suction dredges		SFOB (Dutch Foundation for Education in Dredging Industry)
Netherlands	2001	Assessment of working method and costs of shore protection and beach replenishment for coast near Chennai, India on behalf of funding agency		Nederlands Economisch Instituut, The Netherlands
Netherlands	2001	Expert advice for arbitration on delays caused by debris. Advice given in arbitration between and contractor.		ARCADIS Heidemij Advies, The Netherlands
Netherlands	2000	Advice on preparation of tender documents for Maasvlakte 2 extension.		Project Mainportontwikkeling Rotterdam (PMR), The Netherlands
Netherlands	2000	Study on costs and restrictions of winning industrial sand from deep deposits overlain by unsuitable material		Rijkswaterstaat, Afdeling Aqua Grondstoffen, The Netherlands
Netherlands	1999 - 2000	Market study Trailing Suction Hopper Dredges and on large Cutter Suction Dredges around the world and availability for The Netherlands		Rijkswaterstaat, Directie Noordzee, The Netherlands
Netherlands	1999 - 2000	Provide working methods, planning and cost of dredging a harbour and the construction of breakwaters for Gaza Port, Palestine		Rijkswaterstaat, Project Bureau Onderhoud Kunstwerken, The Netherlands
Singapore	1999 - 2000	Technical assistance and supervision of the contractor on a trench dredging project in Singapore.		D.O.O.R. BV, The Netherlands
Bangladesh	1999	Consultancy Services for Feasibility Study of selection and procurement of Grab dredger for the Port of Chittagong to maintain berths at Chittagong Port, supporting Hamburg Port Consultants.		Hamburg Port Consulting GmbH

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Netherlands	1999	Phasing of plan for sand extraction and reclamation with civil works for development of Maasvlakte 2, the projected Europort extension in Rotterdam		Samenwerkingsverband Maasvlakte 2 Varianten, The Netherlands
United Kingdom	1999	Theoretical and practical training of officers of trailing suction hopper dredges		UK Dredging, United Kingdom
Belgium	1998 - 1999	Independent evaluator on external quality assurance on "Harbours – Silting and Environmental Sedimentology" project executed by nine European Universities		Europe Commission, Directorate-General VII Transport, Belgium
Seychelles	1998 - 1999	Supervision of dredging and breakwater construction for small port and technical assistance for equipment maintenance		Aveco bv, The Netherlands
Bangladesh	1997 - 1999	Third Inland Water Transport Project, IWT-III Bangladesh. Review the dredging operation and it's efficient, productive and operational management techniques.		Bangladesh Inland Water Transport Authority (BIWTA)
United Kingdom	1997 - 1999	Collate the consultant's experience on matters relating to the development of offshore aggregates		Department for International Development, ODA
Sudan	1998 - 1999	Mission report prior to procurement of dredging equipment		SENNAR Sugar Factory, The Sudan
Netherlands	1998	Advice on Standard production and cost calculation for Trailing Suction Hopper Dredgers		Bouwdienst Rijkswaterstaat, Utrecht, The Netherlands
Germany	1998	World wide market study of dredge builders and dredging projects		Babcock Material Handling Division, Germany
Netherlands	1998	Provide working methods, planning and cost of extraction of sand from Marine Borrow Areas and reclaim at Maasvlakte 2, the projected Europort extension in Rotterdam		Samenwerkingsverband Maasvlakte 2 Varianten, The Netherlands
Namibia	1998	Provide technical assistance for deep dredging to diamond deposits with Remotely Operated Vehicle.		D.O.O.R. BV, The Netherlands
Sudan	1997 - 1998	Advice and delivery of spare parts for Cutter Suction Dredge Abul Hassan		Irrigation Water Corp. (before MOI)
Tanzania, United Republic Of	1997 - 1998	The dredging works comprises the straightening, widening and deepening of the entrance channel to the Port of Dar es Salaam		Tanzania Harbour Authorities
Sudan	1997 - 1998	Review of overall project progress of Northern Province Irrigation Rehabilitation Project evaluation mission by Irrigation expert		International Fund for Agricultural Development (IFAD)
Suriname	1997	Technical assistance to a Surinam contractor for the construction of a sea defence near New Nickerie		Baitali N.V.

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Netherlands	1997	Advise on sampling of sediment properties in drinking water reservoir "Petrusplaat"		N.V. Waterwinningbedrijf Brabantse Biesbosch, The Netherlands
Egypt	1997	Assistance to Civil Engineering Contractor in preparation of bid for rock dredging in Nasser Lake		Balfour Beatty, United Kingdom
Netherlands	1996 - 1997	Report on dredging aspects for extension of Europort Harbour, Rotterdam, the Netherlands		Engineering Office of Rotterdam Port, The Netherlands
Sudan	1997	Implement the design, a working method and planning for the excavation of inlet channels for irrigation canals feeding the pump stations with water from the White Nile		International Funds for Agricultural Development (IFAD)
Philippines	1996	Supervision of site Investigation for Cordova reclamation and development project		Malayan Integrated Industries Corporation, MIIC
Netherlands	1995 - 1996	Training course for officers of a Trailing Suction Hopper Dredger (Tarhuna), classroom during construction of the dredger. Continued with on-the-job training in Lybia after delivery of the dredge.		DAMEN Field Services, The Netherlands
Australia	1996	Dredging recommendations for sampling of resources in Cambridge Gulf		CRA Exploration Pty. Ltd., Australia
Netherlands	1995	Advice on functioning of technical personnel on Cutter Suction Dredgers		I.P.S. BV
Sudan	1996	Advise the Port authorities on the soil information to be collected for extension of the port and advise on dredging options related to the extensions and the building of a slipway		Sea Port Corporation (SPC), The Sudan
Tanzania, United Republic Of	1996	Study on the erosion of the coasts of Zanzibar and Pemba in view of global warming, local climate changes and environmental impact of humans activities		Royal Netherlands Embassy, NADE, Tanzania
Netherlands Antilles	1996	Rehabilitation of a quay wall and approaches to Fuikbaai in Curaçao, soil investigation campaign was executed, design quay wall and preparation of tender dossier		NV Mijnmaatschappij Curaçao
Viet Nam	1995 - 1996	Technical assistance through an operational director to Vietdredge Joint Venture in their dredging operations		Port and Delta Consortium (PDC), The Netherlands
Sudan	1995	Supply of spare parts American crane and other equipment		ACCESS Trading Co. Ltd. (MOSO Cy Ltd)
Sudan	1995	Carry out a survey of inlet channels feeding pump stations with water from the White Nile for irrigation canals and advise on dredging equipment for the White Nile Agricultural Services Project (WNASP)		IFAD (International Funds for Agricultural Development)
Netherlands Antilles	1995	Laboratory test and interpretation of soil investigation at Port "Fuikbaai"		NV Mijnmaatschappij Curaçao
Netherlands Antilles	1995	Soil investigation at the port Fuikbaai.		NV Mijnmaatschappij Curaçao

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United Kingdom	1995	Training crew in order to improve knowledge, awareness and understanding of the practical measures which can be taken to improve the pay load whilst at the same time maintaining an efficient and optimum overall operating cycle.		Associated British Ports, United Kingdom
Netherlands Antilles	1995	Investigation damage at East and West quay in port of Fuikbaai to support new design.		NV Mijnmaatschappij Curaçao
United Kingdom	1995	Training crew in order to improve knowledge, awareness and understanding of the practical measures which can be taken to improve the pay load whilst at the same time maintaining an efficient and optimum overall operating cycle.		Associated British Ports, United Kingdom
Tanzania, United Republic Of	1995	Pontoon location for landing of ferries, Short desk study		Ministry of Communication & Transport, Tanzania
Netherlands Antilles	1995	Improvement of Port "Fuikbaai" for vessels up to 8,000 ton, calculations, design drawings and cost calculations are prepared.		NV Mijnmaatschappij Curaçao
Netherlands	1993 - 1995	Co-ordination and Secretariat Services for the "Working Group Certification" of the Dutch Association of Dredging Contractors		Vereniging Centraal Baggerbedrijf, The Netherlands
Netherlands	1995	Second opinion on working method and execution costs of dredging the trench for the "Piet Heintunnel" in Amsterdam, The Netherlands		SAT Engineering vof, The Netherlands
Netherlands	1995	Examination of participants of dredging course of Association of Dredging Contractors (VOUB course)		VOUB
Bangladesh	1994	Third Inland Water Transport Project, IWT-III Phase I, Bangladesh. Operations Improvement Action Plan. Advice on operations of dredgers, technical assessment of dredging fleet and advice on maintenance and spare parts		Bangladesh Inland Water Transport Authority (BIWTA), Bangladesh
Sudan	1994	Advisory services for Abu Naama dredging, Training crew and staff of delivered Cutter suction dredger "Abu Naama"		European Mediterranean Trading Co. B.V. (Emetco), Rotterdam, The Netherlands
Netherlands	1991 - 1994	Various course project management for Ministry of Foreign Affairs, The Netherlands, DGIS		Management for Development Foundation (MDF), The Netherlands
Thailand	1994	Writing a synopsis and lecturing on a regional seminar on Environmental Aspects of Dredging Activities in Bangkok		United Nations / ESCAP, Thailand
Netherlands	1994	Supervision of work of trailing suction hopper dredges working on Europipe Project		STATOIL
Nigeria	1994	Project manager and supervision on 1.500m shore protection works		Billsar Engineering bv, The Netherlands
Fiji	1994	Study to evaluate the effectiveness of all dredging activities in Fiji, while taking into account all cost and benefits incurred.		Food and Agriculture Organization of the United Nations, FAO, Rome

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Germany	1994	Supervision of contractors and quality control of work for trench dredging project in the North Sea by trailing suction hopper dredges on behalf of the Client		I.M.S. BV, The Netherlands
Viet Nam	1994	Writing synopsis and lecturing on seminar on Port Operations and Management Haiphong		PDC (CH3), The Netherlands
Sudan	1993	Site visits (4), inspection of works and certification of Contractors invoices		Boskalis International
Sudan	1993	- Silt and weed control Abu Ushar, Gezira - Roseires Emergency dredging (extension)		Ministry of Irrigation and Water Resources, Khartoum, The Sudan
Sudan	1986 - 1993	Monitoring of sedimentation in front of power intakes at Roseires Reservoir Dam.		Ministry of Irrigation and Water Resources, Khartoum, The Sudan
Ghana	1993	Short mission of mechanical engineer to Ghana to report on condition of Cutter Suction Dredger with auxiliaries at Ada, Ghana		Aveco bv, The Netherlands
Sudan	1993	Preparation of technical specifications, tender documents and evaluation, building supervision for CSD, Abu-Naama dredge		European Mediterranean Trading Co. B.V. (Emetco), Rotterdam, The Netherlands
Sudan	1993	Advice on delivery and installation of an anchor plate to fix the trash boom at the Roseires reservoir		National Electricity Company of Sudan (NEC), Khartoum
Sudan	1987 - 1993	The project was to recommend on the equipment needed for Drydock facilities at Roseires, to prepare technical specifications and tender documents, supervise construction and commission in the Sudan.		Ministry of Irrigation and Water Resources, Khartoum, The Sudan
Sudan	1993	Silt monitoring and other assistance for the Roseires Reservoir		National Electricity Company of Sudan, Khartoum
Egypt	1993	Team Leader and assistance at the Fayoum Irrigation field for silt and weed control		Euroconsult, The Netherlands.
Sudan	1993	Silt monitoring and survey in Roseires reservoir. Establish effects of changing time of operating sluices		National Electricity Company of Sudan (NEC), Khartoum
Ethiopia	1993	Training and supervising New grab dredge spread at Koka Dam, Ethiopia		De Donge, The Netherlands
Netherlands	1993	Course on planning of dredging works for Cutter Suction Dredgers and Trailing Suction Hopper Dredgers		Training Institute for Dredging (TID), The Netherlands
Netherlands	1992 - 1993	Dredging course to top up knowledge of graduates of secondary schools		SFOB (Dutch Foundation for Education in Dredging Industry)

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Netherlands	1993	Supervision of trench dredging work onboard a Cutter Suction Dredger and Trailing Suction Hopper Dredger		I.P.S. BV / Amoco
Sudan	1992 - 1993	Second extension for Technical Assistance for silt dredging in front intakes hydro-electrical generators at the Roseires Dam		Ministry of Irrigation and Water Resources, Khartoum, The Sudan
Sudan	1991 - 1992	Technical assistance for overhaul of cutter suction dredger and auxiliary equipment		Ministry of Irrigation and Water Resources, Khartoum, The Sudan
Sudan	1991 - 1993	Technical assistance on rehabilitation of mechanical equipment for maintenance at the Roseires Dam		National Electricity Company of Sudan, Khartoum
Sudan	1991 - 1993	Integrated Mechanical Silt Clearance and Weed Control Project Abu Ushar.		Ministry of Irrigation and Water Resources, Khartoum, The Sudan
Sudan	1993	Advisory services silt removal in intake channel Abu Naama irrigation scheme		European Mediterranean Trading Co. B.V. (Emetco), Rotterdam, The Netherlands
India	1993	Project management, technical assistance and on-the-job training on a Cyclone Emergency Reconstruction Project for the Government of Andhra Pradesh. Assisted Tebma dredging company of Madras in the dredging of Upputeru and Gunderu		Hydromeer BV, The Netherlands
Trinidad And Tobago	1992 - 1993	Dredging assistance on dredging project at Port Lisas in Trinidad.		Civil & Marine Contractors Limited (Cimco), Trinidad
Sudan	1993	TA rehabilitation and modification trash rakes		National Electricity Corporation (NEC)
Netherlands	1991 - 1993	Awareness course for personnel of dredging companies working with contaminated sediment		SFOB (Dutch Foundation for Education in Dredging Industry)
Sudan	1983 - 1992	Dredging Program at Roseires		Ministry of Irrigation, The Sudan
Thailand	1991 - 1992	Fact-finding mission on environmental problems related to dredging operation and disposal of dredge material in ESCAP region.		United Nations / ESCAP, Thailand
Sudan	1992	Three training missions of dredging expert to Gash Delta project		HVA, The Netherlands
Netherlands	1991 - 1992	Preparation of course manuals and lecturing for a 5-month course for staff from dredging contractors freshly graduated from secondary engineering college.		SFOB (Dutch Foundation for Education in Dredging Industry)
Philippines	1992	Training staff, officers and crew Philippines Port Authority on planning of maintenance of dredging equipment		United Nations / ESCAP, Thailand

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Sudan	1992	Gash Delta Survey		
Sudan	1992	Hydrographic Survey for Roseires Dam heightning		SAG&P / CBellier
Sudan	1992	Assistance private sector in weed control works		MOI / WB
Sudan	1992	Training staff Gash Delta		
Taiwan	1992	Assessment of dredging and reclamation of fill material for large industrial development zones off the coast of Taiwan		Sinotech Engineering Consultants Inc., Geotechnical Department, Taiwan
Taiwan	1992	Assesment of Marine fill borrow areas, feasibility study on dredging activities, production calculation of dredgers and preparing project estimate		Sinotech Engineering Consultants Inc., Geotechnical Department, Taiwan
Sudan	1992	Assistance to preparations for a water drilling program in Sudan		IWACO, The Netherlands
Sudan	1989 - 1990	Technical Assistance for Silt and weed control project in Abu Ushar, Gezira Irrigation scheme.		Ministry of Irrigation, Khartoum
Philippines	1992	Strengthening of the dredging capacity of the Philippine Ports Authority, phase II		Philippine Ports Authority / ASD
Taiwan	1992	Kuan Yin Industrial District Project A working method and a number of alternatives to dredge gravel, cobbles and sand were made. The production of several types of dredges had to be calculated for a number of alternatives and a budgetary price estimated		Sinotech Engineering Consultants Inc., Geotechnical Department, Taiwan
Pakistan	1991 - 1992	Technical assistance and training of crew of a cutter suction dredger at Gwadar fishing port		BESIX, Belgium (SIX Construct)
Taiwan	1992	For the Yun-Lin Industrial Estate Development Project, examine and review the site investigation results, determine the dredge work scope, provide dredging and reclamation operations cost. Comment on geological, geomorphological, environmental and technical items for the project.		Sinotech Engineering Consultants Inc., Geotechnical Department, Taiwan
Thailand	1991	Study on problems and solutions on environmental effects of dredging operations and disposal of dredge material.		United Nations / ESCAP, Thailand
Sudan	1990 - 1991	Extension for Technical Assistance for silt dredging in front intakes hydro-electrical generators at the Roseires Dam		Ministry of Irrigation, The Sudan
India	1991	Lecturing in New Delhi on seminar on maintenance of irrigation and drainage systems		ILRI, The Netherlands
Egypt	1991	Study and advice on the equipment requirements for introduction of integrated mechanical silt clearance and weed control in irrigated areas in Egypt		Ministry of Public Works and Water Resources, Egypt

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Egypt	1991	Consultant performed a desk study in the Netherlands, short mission to Egypt and prepared the final report regarding channel maintenance.		Ministry of Public Works and Water Resources, Cairo, Egypte
Yugoslavia	1991	Technical assistance and training of crew of a bucket-wheel suction dredger "Kovin-1"		Orenstein & Koppel Anlagen und Syteme, Germany
Libyan Arab Jamahiriya	1991	Training course for two dredging superintendents managing a Cutter Suction Dredge spread		I.M.S. bv / WAHA Oil Company, Libya
Netherlands	1991	Supervision on a Trailing Suction Hopper Dredger of trench dredging for Europipe at North Sea		DOOR & IPS JV
Netherlands	1989 - 1990	Training course for superintendents of Nigerian subsidiary's of Dutch dredging companies		Baggermaatschappij Boskalis BV, The Netherlands
Guyana	1990	Short training course for mining engineers supervising overburden dredging in bauxite mine.		Guyana Mining Enterprise
Sudan	1989 - 1990	Technical Assistance for silt dredging in front intakes hydro-electrical generators at the Roseires Dam		Ministry of Irrigation, Khartoum
Sudan	1987 - 1990	Emergency dredging and Mobile crash unit Abu Ushar, Gezira		Ministry of Irrigation, The Sudan
India	1989 - 1990	Management assistance and on-the-job training for the Dredging Corporation of India, Phase 1. Review of existing dredging organization and proposals for improvement		DCI, Dredging Corporation of India
Nigeria	1990	Preparing and lecturing a dredge training program for a Nigerian superintendent.		Volker Stevin Dredging
India	1985 - 1990	Advice and assistance to the Calcutta Port Trust on tendering current projects and in supervising the construction of the guide wall off Halida.		Calcutta Port Trust, India
Guatemala	1989	Technical survey of dredging equipment and recommendation of a training program, Chiquimulilla Canal in Guatemala.		Ministry of Foreign Affairs, The Netherlands, DGIS
Sudan	1987 - 1989	Training the engineers and operators and Upgrading the dredging process on the Blue Nile Dredging Project.		Ministry of Irrigation, The Sudan
Fiji	1986 - 1989	Technical Assistance to the state owned dredging department and implementation of the river improvement master plan		Ministry of Primary Industries
Sudan	1988 - 1989	DEMAS provided the project management and arranged management training and overhaul of equipment in the Abu Ushar training area		Ministry of Irrigation, The Sudan
Sudan	1986 - 1988	DEMAS did the investigation, prepared a repair methodology and organised the tender and supervised the repair works for stop beams, radial gates, deep sluices, aprons and stilling basins. Furthermore, repair of the cracked spillway gate anchor heads in Roseires dam		Ministry of Irrigation (NEC), The Sudan
Sudan	1987 - 1988	The project was to recommend on the equipment needed for maintenance of the White Nile rehabilitation project, to prepare technical specifications and tender documents, supervise construction and commission in the Sudan.		Ministry of Irrigation, The Sudan

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India	1987 - 1988	Instruction and training of Calcutta Port Trust-staff in the preparation and execution of protective maintenance on the Guidewall, Cross Spur and Nayachra Island as well as the tender preparation of the completion of the Guidewall.		Calcutta Port Trust
Nicaragua	1988	DEMAs provided a specialist for the preparatory planning and mobilization for dredging of the intakes Puerto Sandino Powerplant as well as the onsite training of personnel.		Institutio Nicaraguense Energia, (INE), Nicaragua
Gabon	1987	Assistance in Dredging at "Port Mineralier D'Owendo" Gabon		Zanen & Vesrtoep
Sudan	1985 - 1987	Crash and Repair Program followed up by technical assistance and training, Gash Delta		Ministry of Irrigation, The Sudan
Sudan	1986 - 1987	Repairing Generator set for electricity supply of buildings and workshop of Gash Delta Cooperation in Aroma.		Ministry of Irrigation, The Sudan / Gash Delta Corp.
Egypt	1986	After review of, the operating maintenance conditions in the Fayoum channel and existing equipment and workshop a design of a proposed improved mechanical weed control program is advised.		Ministry of Foreign Affairs, The Netherlands, DGIS
Netherlands	1986	Preparation and lecturing "Fellowship Dredging Program" in the Netherlands for the staff of Port and River Authorities from several countries in Asia and Africa.		Vereniging "Centraal Baggerbedrijf", The Netherlands
India	1985 - 1986	Preparation of Hooghly River guidewall training works and testing of GEO-textiles.		Calcutta Port Trust
Egypt	1980 - 1986	Dredging and Training program Esbid el Burg and upgrading mechanical silt and weed control equipment.		Ministry of Foreign Affairs, The Netherlands, DGIS
Sudan	1984 - 1986	Delivery of additional equipment (2 excavators) for Dredging and Weed control, Abu Ushar, Gezira irrigation scheme. DEMAS was responsible for the purchased, building supervision and transport of the equipment.		Ministry of Irrigation, The Sudan
Sudan	1985	Monitoring and technical assistance for Khasm-el-Qirba Reservoir		Ministry of Irrigation, The Sudan
Sudan	1983 - 1985	Supply of additional Dredging Equipment for Roseires		Ministry of Irrigation, The Sudan
Zaire	1984	Expertise Mission for studying improvement of navigational route in the Republic of Zaire.		Commission des Communautés Européennes (CCE)
India	1983 - 1984	A feasibility study investigating the technical and economic consequences of lowering of the bed in the navigational channel leading from the entrance to the Port of Madras to the Ore loading jetty		Ministry of Foreign Affairs, The Netherlands, DGIS
Zambia	1977 - 1984	A team of specialist visit Zambia in order to evaluate the conditions of the equipment used by the Ministry. The advice comprised, spare parts consumption and delivery, dredging procedures and future requirements, planning and procurement of a CSD.		Department of Water Affairs, Ministry of Water and Natural Resources
India	1984	A feasibility study on the upgrading of the Champakara canal in Kerala		Ministry of Foreign Affairs, The Netherlands, DGIS
Sudan	1983	Dredging and Weed control, Abu Ushar		DGIS
Congo	1983	Study for improvement of dredging equipment		EC

Country	Year	Description	35 Years of Transfer of Technology in Dredging	Client
Bangladesh	1983	Short mission to adjust the generator on Survey vessel MV Anwasha in Bangladesh.		Delft Hydraulics Laboratory, The Netherlands
Nicaragua	1982 - 1983	Short mission to Nicaragua to survey and advice the reassembly possibilities of a used Cutter Suction Dredger.		Ministry of Foreign Affairs, The Netherlands, DGIS
Sudan	1980 - 1982	Advise and assist with respect to the purchase of equipment for dredging and aquatic weed control. Render consulting services and training for the management and utilization of the equipment.		Ministry of Irrigation, The Sudan
Sudan	1978 - 1982	Advise and assist with respect to the purchase of equipment for dredging/ earth moving and aquatic weed control. Render consulting services and training for the management and utilization of the equipment.		Ministry of Irrigation, The Sudan
Sudan	1981 - 1982	Advise and assist with respect to the purchase of equipment for dredging and aquatic weed control. Render consulting services and training for the management and utilization of the equipment.		Ministry of Irrigation, The Sudan
Bangladesh	1977 - 1982	Dredging Management Advisory Team to BWDB (Bangladesh Water Development Board). Management and training programme. Identification of workload and dredging needs. Advice on preparation, execution and costing of dredging projects for the BWDB.		Bangladesh Water Development Board (BWDB)
Bangladesh	1974 - 1982	Management and training programme. Identification of workload and dredging needs. Advice on preparation, execution and costing of dredging projects. Initialising set up of dredging department within the Bangladesh Inland Water Transport Authority (BIWTA)		Bangladesh Inland Water Transport Authority (BIWTA)
Viet Nam	1981 - 1982	Advice on report "Earth moving equipment for Quang Ho Phung Hiep project"		Ministry of Foreign Affairs, The Netherlands, DGIS
Mozambique	1977 - 1981	The "Dredging Management Advisory" (DMA) team advised and assist with respect to the purchase of spare parts for the rehabilitation, including docking in Maputo, trials and testing of dredge "GOA"		The Government of the People's Republic of Mozambique
Cameroon	1979 - 1980	Study on minimization of cost of dredging in ports of West and Central African States		Inter-Governmental Maritime Consultative Organization (IMCO)
Gambia	1980	Study of Minimization of Costs of Dredging		Port Man. Ass. of West and central Africa
Kenya	1978 - 1980	Technical assistance for capital dredging at Mombasa Port. DEMAS send out a small mission to Mombasa to evaluate at first hand the technical and financial aspects of the proposed capital dredging		Ministry of Foreign Affairs, The Netherlands, DGIS