

FOORT BUSTRAAN

Institutional Development Advisor

Education

Master's in Water Supply and Sanitary Engineering, Silsoe College, UK, 1992

Honors Bachelor's in Civil Engineering, Water Engineering and Irrigation, Technical University Alkmaar, Netherlands, 1984

Languages

Dutch (native);
English (excellent);
Indonesian (good);
French (medium);
German (medium);
Setswana (basic);
Khmer (basic)

Personal status

Born in September 1958
Married

Foort Bustraan is a recognized leader in Indonesia's water and sanitation sector with more than 25 years of in-depth international experience in urban water supply and sanitation. His vast experience and technical knowledge have helped him forge strong relationships and networks with Indonesian water utilities (PDAMs), local and national governments, including staff from the Ministry of Public Works, Ministry of Finance, Ministry of Health, and BAPPENAS, as well as community leaders and organizations, the private sector, and donors. Mr. Bustraan is recognized as an expert in improving PDAM operations. His technical expertise in that area includes corporate governance, including planning, non-revenue water reduction, water quality improvement, energy reduction, standard operating procedures, increased access to the poor, raw water protection, investment plans, and strategies to leverage funding from both local and national governments.

Mr. Bustraan most recently served as WASH Institutional Development Advisor for IUWASH PLUS and previously as Deputy Chief of Party and Water and Sanitation Technical Advisor on the 5.5-year USAID Indonesian Urban Water and Sanitation Hygiene (IUWASH) Project. As DCOP he held overall financial and administrative and human resource management for 150+ staff. As the Water and Sanitation Technical Advisor, he organized technical and institutional assessment of 50 Local Governments and Water Companies and prepared and implemented technical assistance programs for performance improvements, capacity building, increased efficiency, risk assessments, customer orientation, and good governance. Among many other accomplishments, he also developed and introduced a water for poor program for DKI Jakarta, through promotion and piloting of "master meters" in 5 poor neighborhoods in North Jakarta and showcased results to senior GOI officials for replication.

Earlier, Mr. Bustraan served as the Environmental Services Delivery Advisor on the USAID-funded Environmental Services Program (ESP), where he oversaw staff and activities in more than 50 locations in seven provinces to improve PDAM operational performance, establish links with citizen groups for improved service delivery, and rally political support to increase access to water supply, sanitation, and solid waste. Under his leadership, ESP improved the operations of 39 PDAMs; implemented eight citywide sanitation strategies; and launched 140 community-based sanitation/solid waste systems and 40 community-based water supply systems.

Before his work with ESP, Mr. Bustraan served as the Institutional and Technical Advisor for the Indonesian National Water Supply Association (PERPAMSI). In this capacity, he not only provided technical assistance directly to PDAMs, but also interacted and worked with several bilateral and multilateral donors. For five years, he was an Advisor to the Education and Training Foundation (TIRTA DHARMA), where he designed and delivered training modules and courses for PDAMs.

Professional Experience

Senior WASH Institutional Development Specialist, IUWASH PLUS, USAID, DAI, Indonesia and the Netherlands(January 2018 – December 2018)

A part-time (50%) position working under the direction of the IUWASH PLUS COP and supporting the IUWASH PLUS program, particularly Component 2, which covers strengthening City and District WASH Technical and Institutional Performance; supporting city-wide Water Supply and Waste Water Operators (PDAM, UPTD and PD PAL). Additional tasks included Technical support to the Local Sustainability and Innovation Component (LSIC), which includes innovation in septic tank designs, regular desludging of septic tanks, raw water protection and non-revenue water reduction programs.

WASH Institutional Development Advisor, IUWASH PLUS, USAID, DAI, Indonesia (July 2016 - November 2017)

A full-time management position to work under the direction of the IUWASH PLUS COP and serve as the Team Lead for the project's Component 2, strengthening City and District WASH Institutional Performance described in the project's scope of work. These include those related to: Improving PDAM performance; Developing and improving city and district sanitation unit performance; Strengthening the WASH enabling environment within local governments; and Assisting local governments and institutions to improve the protection, management, and allocation of raw water resources. In addition to his direct responsibilities for all Component 2 activities supports COP and DCOP/Programs and DCOP/Operations in overall program management, especially make sure that the four IUWASH PLUS Components are closely linked and mutually supportive.

Deputy Chief of Party, Water and Sanitation Technical Advisor, Indonesian Urban Water and Sanitation Hygiene (IUWASH) Project, USAID, DAI, Indonesia (March 2011 – June 2016)

A (full-time) management position in a 5.5-year Urban Water Supply and Sanitation program in Indonesia, with 2 main responsibilities: Deputy Chief of Party and Technical Water and Sanitation Advisor. As Deputy Chief of Party assisted IUWASH Chief of Party with: overall financial and administrative and human resource management (150+ staff), ensured compliance with reporting requirements (accuracy, comprehensiveness and timeliness), prepared reports, performance monitoring plans, in compliance with contracts evaluated project staff performance and recommend personnel actions for long-term advisors. Represented IUWASH to GoI, NGO partners, private sector partners, donor agencies and other stakeholders.

As Water and Sanitation Technical Advisor provided leadership to Component 2. Prepared Quarterly, Annual Reports and Workplans with Component 2 local teams; ensured close collaboration with other Components. Developed SoW for LTTA, STTA, field activities and monitor progress (duration, achievements and budget). Evaluated Component 2 team performance and recommended personnel actions, when required. Organized Technical and institutional assessment of 50 Local Governments and Water Companies (field trips, desk studies, meetings, workshops). Prepared and implemented TA programs for 50 Local Governments and Water Utilities on performance improvements, capacity building, increased efficiency, risk assessments, customer orientation, good governance. Developed and introduced concept of Regular Desludging as sustainable Septage Management Approach through piloting concept in 4 IUWASH cities, arranging numerous national workshops and accompany GOI staff to international conference and study tours. Developed and introduced water for poor program for DKI Jakarta, through promotion and piloting of “master meters” in 5 poor neighborhoods in in North Jakarta and showcased results to senior GOI official for replication. Developed and introduced Urban Sanitation Framework and establishment of Sanitation Operators (either Water utilities or local G'ment working units) to management all waste water service at city level.

Water and Sanitation Expert, DAI, Jakarta, Indonesia and Netherlands (April 2010 – February 2011)

An advisory position supporting DAI programs in WATSAN sector in Indonesia as well as identifying new opportunities and partners, both local and international companies and multi- and bilateral donor agencies. Developing Project Proposals for ADB, AUSAID, USAID, WB projects. Identifying suitable candidates, Scope of Works, strategic partners. Support contract negotiations for USAID financed IUWASH program.

Municipal Water Services Advisor, Environmental Service Program, USAID, Hach- MottMcDonald, Indonesia (February 2005 – March 2010)

A (full-time) advisory position in a 5.5-year Watershed and Municipal Service Delivery program in Indonesia. Responsible to increase access to Water supply, sanitation and solid waste for 50+ locations in 7 provinces. Conducted technical and institutional assessment of 36 Water Companies (field trips, desk studies, meetings, workshops). Prepared and implemented TA programs for 36 Water Utilities on Corporate Planning, Non-Revenue Water Reduction, Water Quality improvement, Energy Reduction, Standard Operating Procedures, increase access to the poor, raw water protection, investment plans, leveraging funding from Local and National Government etc. Developed and implemented innovative concept increasing sustainable access to affordable piped water for urban poor through pilots in 7 locations, large scale implementation and water-for-poor toolkits, including communal meters, micro- credit and Output Based Aid programs. Prepared and implemented citywide sanitation strategies, action plans, sanitation mapping and pilot implementation program for 8 medium and large-scale cities and conduct smaller pilots in 25 other locations. Introduced STBM (Community Based Total Sanitation)

concept within the ongoing ESP program, participated in STBM policy / strategy meetings with Department Health, UNICEF, other donors and developed STBM roll-out plan for 3 cities in Eastern-Indonesia. Supported joint program activities with donor agencies (JBIC, WSP, World Bank, ADB, ETC, IDRC, Dutch Embassy), including networking for promotion of best practices and innovative water-for- poor pilots. Leveraged additional financing from Dutch-Embassy for ESP expansion, World Bank for several water-for-poor programs (Medan and Surabaya) and National and Local Government for expansion of water and sanitation coverage. Presented at USAID Sanitation Consultation workshop on ESP innovative Sanitation programs; at ADB Regional conference on ESP innovate water-for-poor programs and during INDOWATER 2007 and 2009 on ESP water-for-poor and sanitation programs. Provided support to USAID ECO-Asia program in Indonesia, including preparation of Twinning programs between Regional Water and Sewerage companies (Malaysia and Philippines) with Indonesian Water utilities and Local Governments. Responsible for program preparation and implementation for 4 locations in Eastern-Indonesia. Managed professional team of 40 local expert staff. Responsible for regular reporting and work planning in accordance to USAID guidelines.

Institutional and Technical Adviser, PERPAMSI, National Water Supply Association, Indonesia, under contract with CIM/GTZ (January 1999–January 2005)

A full-time advisory position supporting the Association with technical and institutional issues. Assessed technical and institutional problems with 300+ water companies (through field trips, desk studies, meetings, workshops, etc.) Served as advisor for PDAM activities on corporate planning, leakage detection, water quality improvement, public relations, water meter replacement, financing opportunities, and more. Networked with donors (World Bank, GTZ, DANIDA, Asian Development Bank, Dutch Embassy) for promotion of role of PERPAMSI in water sector and financing of activities of PERPAMSI and affiliated institutions. Networked with other water associations (in the Netherlands, Germany, and the United States) to develop joint activities (such as twinning, training, and business

relations). Supported organization of international conferences/seminars: INDOWATER 2001, 2003. Coordinated pilot

activity, with USAID/USAEP funding, of building relations between local Women and PDAM in selected locations (2000–2002), including training programs. Coordinated pilot activity, with USAID/USAEP funding, to develop certified drinking water zones for PDAM in three locations (2003–2004), including operational and training modules. Prepared and coordinated activities of PERPAMSI affiliated institutions/specific programs:

Adviser, Education and Training Foundation TIRTA DHARMA, Indonesia

(January 2000–January 2005)

Supported training needs assessment for water companies. Developed relevant training modules, training- of-trainers courses, and programs. Contacted with donors for financial support for implementation of training activities. Networked with other educational institutes to develop joint activities. Assisted in set up of Technical School for Diploma Course in Environmental Engineering. Provided institutional support for reaching financial sustainability.

Founder & Adviser, South East Asia Water Utilities Network (SEAWUN)

(August 2002–January 2005)

Supported establishment of the organization, including the constitution, bylaws, and membership requirements. Developed project proposals for donors (including ADB, the World Bank, and USAID) on member priorities. Promoted links with institutions (IWA, ASPAC, etc), developed a website, and managed campaigns. Provided institutional advice and support for reaching financial sustainability.

Resource Person, GTZ Water Program Indonesia, Timor-Leste

(January 2003–January 2005)

Co-organizer of “German Water Day” during INDOWATER 2003, including presentation on water quality improvement activities of PERPAMSI in cooperation with GTZ and USAID. Led an evaluation

mission to a GTZ Water Program in Timor-Leste and arranged for training for operators. Supported GTZ- Rural Water Supply programs in East Indonesia. Served as resource for GTZ activity on establishing a Water Advisory and Service Centre, to be operated jointly by PERPAMSI, Training Foundation, FORKAMI, and the Ministry of Health.

Adviser, FORKALIM (Network for sewerage companies, under PERPAMSI), Indonesia (August 2003–January 2005)

Established a network in cooperation with key PDAM directors and PERPAMSI staff. Arranged financial support from USAEP for two national meetings to exchange experience, and developed program. Coordinated ongoing collaboration with Indah Water consortium, Malaysian National Waste Water Operator Supporting Dutch Embassy-Jakarta in development of large Sanitation program for 8 cities, including strategy development.

Water Treatment Consultant, for Sawa- Netherlands in Somalia (September–October 1998)

A short-term mission for a domestic water supply project funded by DEGIS and EU. Trained local staff in use and procedures for Water quality testing equipment (bacteriological and chemical). Identified methods for appropriate water treatment of traditional water sources. Set up pilots for water purification and training staff in operating and analyzing results.

Field Coordinator National Health Survey, for Sawa-Cambodia non-profit consultancy, based in Phnom Penh, Cambodia (April–July 1998)

A Management position for Nationwide Basic Health survey, ADB funded for Ministry of Health, Cambodia. Responsible for logistics, communication, security measures. Assisted in interviewers training. Planned and supervised survey teams (52 interviewers, 7,500 interviews with women).

Water Supply and Sanitation Coordinator, for Sawa-Cambodia non-profit consultancy, based in Phnom Penh, Cambodia (November 1996–July 1998)

A Technical and Human Resource Management position, working with a team of 10 local consultants in both Urban and Rural Water Supply and Sanitation sector. Managed a team of water supply and sanitation consultants: capacity building, project preparation, planning and implementing of activities. Established training courses for government staff, EU, UN and various NGOs. Acquisition, networking, proposal writing for ADB, Worldbank, IO and Embassy projects. Executed evaluations for various Water Supply and Sanitation programmes in Cambodia. Implemented a variety of Technical Projects. Developed Policy and Guidelines for wat/san sector in Cambodia through active participation in Government coordination & advisory committee's and working groups.

Managing Director, SAWA-Cambodia, Phnom Penh, Cambodia (February–October 1996)

A Management position, responsible for operation of Sawa Cambodia office in Cambodia. Human resource management for 20 local staff, 2 expatriates + 3 short term expatriates. Established administrative systems and procedures (staffing, budget, training, transport, etc). Financial responsibility for SAWA Cambodia budget and expenditures. Acquisition and Networking for local and international tenders. Overall coordination of activities for Water Supply and Land Water Management sectors. Set up training classes for local staff: technical, language, administrative, computer.

Rural Water Supply and Sanitation Team Leader, for SawaCambodia, non-profit consultant, based in Phnom Penh, Cambodia (June 1995–October 1996)

A technical training and management position. Working with a team of five local consultants established training courses for the European Union, the United Nations Children's Fund (UNICEF), CARERE and various NGOs. Also advised NGOs and international organizations on a range of rural water supply and sanitation subjects.

Rural Drinking Water Adviser, for OXFAM UK/I seconded to Cambodian Hydrology Department in Battambang and Banteay Meanchey (September 1992–May 1995)

A technical and management training/support position responsible for two Provincial domestic water supply and hygiene education programmes (40 local staff). Led capacity building for local staff (both Technical and Management/Administrative skills). Technologies included percussion and rotary drilling (soft formations and hard rocks), hand-dug well construction, hand pump installation and maintenance, rainwater jars and ferro cement constructions, village ponds, filtration systems, and PRA techniques. Also coordinated Oxfam's emergency assistance for water provision for internally displaced persons in Northwestern Provinces. Promoted community organizing and water use education concepts in drinking water projects, planned and implemented pilot rainwater catchment project for a local NGO, and established a provincial wat/san committee.

Civil Engineer, Grabowsky & Poort consultancy, Netherlands (August 1990–August 1991)

An Engineering position involved with computer design and drawings. Designed and calculated various water supply, drainage, and utility systems. Produced computer drawings using Autocad software for various civil structures and land development projects.

Drought Relief Technical Officer, Netherlands Development Organization (SNV), seconded to Botswana Government, Botswana (May 1985–July 1990)

In this technical and planning/management position, responsible for the budgeting, preparation, implementation, monitoring, and evaluation of the Labor-Based Drought Relief Program. Managed a team of 15 local staff (including planning, logistics, and procedures). Financial responsibility included an annual budget of \$1.5 million and quarterly reporting. Assessed around 200 projects annually, divided over 50 villages and settlements. Coordinated with Village Development Committees for project selection. Led the technical design, calculations, planning, and supervision of various type of projects, including house and clinic construction, public latrines, hand-dug wells, standpipe, dams, erosion control, roads, and income-generating projects (such as village gardens, tanneries, and craft shops). Participated in national workshops, committees for policy development for labor-based project procedures, activities, and monitoring.

Water Engineer, for NEDECO, Dutch consultancy in Bagdad, Iraq (January–July 1983) A civil engineering position with a large irrigation and drainage programme. Created designs, calculations, and drawings of irrigation channels, roads, and drainage. Performed land surveying and mapping, and supervised contractors during land leveling and channel construction.

Technical Assistant, Department Water Affairs, Lelystad, The Netherlands (September–December 1982)

A practical study period with this Government Department in the Netherlands. Work included drawings and calculations of highway alignments and land surveying. Conducted field studies of tar recycling and effects of sand extraction from rivers and lakes.