

Arch Design Ltd

COMPANY PROFILE



[Designed By: Remis 0744486092]

WHO WE ARE

The Ugandan-based consultancy firm was founded in 1997 in Kampala, to provide professional and innovative services in the architecture and engineering sector.

Arch Design's specialities range from creatively designed commercial and industrial facilities as well as domestic neighbourhoods.

It also offers its clients project management, planning of towns, neighbourhoods and estates as well as social and environmental research among other services.

A Focus on structural durability, unique designs and timeless aesthetics in the structures we create drives us.

Arch Design is always conscious of the fluidity of the world we operate in. Our team of engineers, architects, works inspectors, surveyors, researchers, planners, economists, management & financial specialists, environmentalists and technicians is always polishing up their skills to continue to be relevant in the industry.

We operate within the laws that govern the sector, to create places and spaces that span the ideals of functionality to cover style and add value to our clients' lives and businesses.

TECHNICAL SERVICES

Architecture

1

This runs from design preparation to operation and functional analysis, establishment of programs and architectural design. Preliminary and final designs are provided to the client before construction commences. With our expertise, we also offer site supervision of public and private buildings and industrial estates as well as evaluation of projects to our clients.

Structural Engineering

2

Systems analyses and structural engineering consultation work, structural analyses and detailed design drawing with EDP optimization for civil engineering and superstructures are some of the activities covered under this function. This service is specific to roads and railway bridges, earthworks and foundation engineering.

Through our assessments, we advise our clients on the viability of a proposed project to make sure that foundations or mapped road-routes are strong enough to sustain those projects.

Electrical and mechanical Installation

3

Our electronics and mechanics expertise spans almost all areas under electrical and mechanical installations. We cover high voltage, switch gear installations, transmission, power generation, conservation, heavy current transmission and lighting installations.

Emergency power supply, external and street lighting, weak current; telephones, timers, acoustic security systems, paging systems, central control and monitoring systems, data transmission are also our areas of specialty.

Building installations, mechanical engineering

4

When one thinks building installation, they ought to think Arch Design. From air conditioning and ventilation to sanitary wear and sewage disposal systems, we install practical systems that make buildings usable, environmentally friendly and convenient.

For commercial structures such as factories, we extend our realm from sanitation to structures that make work easier such as conveyor belts, remote central heating and other technical installations for industrial complexes.

Energy conservation installations

5

Planning, re-design rehabilitation; economic energy conservation and environmental energy utilization, maintenance plans, supply and tariff analyses for heating gas, water and electricity.

Landscape design

6

We engage in preliminary and final site development plans with integrated landscape treatment for towns, regions and specific spaces.

We give particular attention to the design of environment areas and traffic structures. Feasibility studies, location concepts and utilization analyses are carried to ensure that every project is executed to its optimal practicality and uniqueness.

Civil engineering and Outdoor installations

7

Our civil works and outdoor department covers traffic planning and technology, airport planning and design, road and motorway construction, water supply and treatment as well as sewage disposal systems. We bring to life infrastructure for industrial complexes to meet our clients' needs.

Petroleum installations

8

We tailor our services to suit the ever-expanding petroleum industry, and in this sector we cover design and planning of Bulk Fuel Terminals; Tanks & Depots, Fuel Distribution Systems, Loading/ Unloading Rumps, Fire Protection Systems, LPG Storage Spaces and Distribution Systems and Airport/Aviation Fuel Systems.

Environmental protection

9

Arch Design believes that our surroundings form a great part of what our world will be in generations to come. We therefore dedicate a good part of our skill to the rehabilitation of abandoned landfills and deposits so that those areas can be re-utilized. Environmental impact assessments help us and our clients to be certain of practicality in rehabilitating waste treatment plants, installations for waste recycling and disposal (dump grounds, decomposition, incineration, sorting and sludge disposal).

Geology, soil mechanics

10

We carry out foundation soil analyses, engineering geology, hydrogeology, deposit exploration, material control, and investigation of abandoned waste deposits before project commencement so that no single project is undertaken in vain.

Agricultural construction

11

We are aware that specialized storage and marketing facilities require attention and specific skills. We therefore design and construct agricultural research, storage and processing plants, wholesale markets, agricultural irrigation and drainage systems and other infrastructure with particular commitment and skill.

Urban and Rural Township Services

12

We make Master and Integrated Development plans for roads and storm water drainage, intersections, sanitation, purification, and solid waste disposal. We also carry out maintenance and rehabilitation of township services and infrastructure; GIS based management and support systems including infrastructure management, cadastral management and system audits. Consultancy on loss control through institutional and social development, training and capacity building is provided.

DEPARTMENTS

Arch Design's organizational set-up consists of departments which specialize in the varied areas of Architectural, Structural, Civil, Water and Environmental as well as Health Engineering.

7 Water Resources Planning

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Situation assessments and catchment studies; Feasibility studies for water resource developments; Management and co-ordination of multi-disciplinary planning studies.

8 Water Infrastructure Planning, Design and Construction

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We are also apply expert skills to the design and construction supervision of urban and rural water and sanitation services, bulk conveyance systems including canals and large bore pipelines, valley dams, pump stations, purification plants and reservoirs.

9 Natural Resources Management and Planning

9

Arch Design's wide range of professionals includes those skilled in carrying out environmental scoping, environmental management plans, environmental mapping and forestry planning.

ARCHITECTURE DEPARTMENT:

This department's specialty is building design preparation, operation and functional analysis. It consists of architecture professionals that design and oversee projects right from the establishment of programs to preliminary and final design. They are also equipped to carry out site supervision of public and private buildings and industrial estates.

TRANSPORTATION ENGINEERING DEPARTMENT:

This is tasked with planning, design, construction supervision and maintenance of rural, urban and special purpose roads as well as aerodromes.

WATER & SANITATION SERVICES DEPARTMENT:

It deals with planning, design, construction supervision and maintenance of water supply systems, sewerage, storm water drainage, irrigation systems, water distribution, maintenance and servicing and the environmental aspects of water management.

INFRASTRUCTURE SERVICES DEPARTMENT:

This arm of Arch Design plans, designs and undertakes construction supervision and maintenance of site and service schemes and infrastructural services for industrial, commercial and residential developments.

STRUCTURES AND BRIDGES DEPARTMENT:

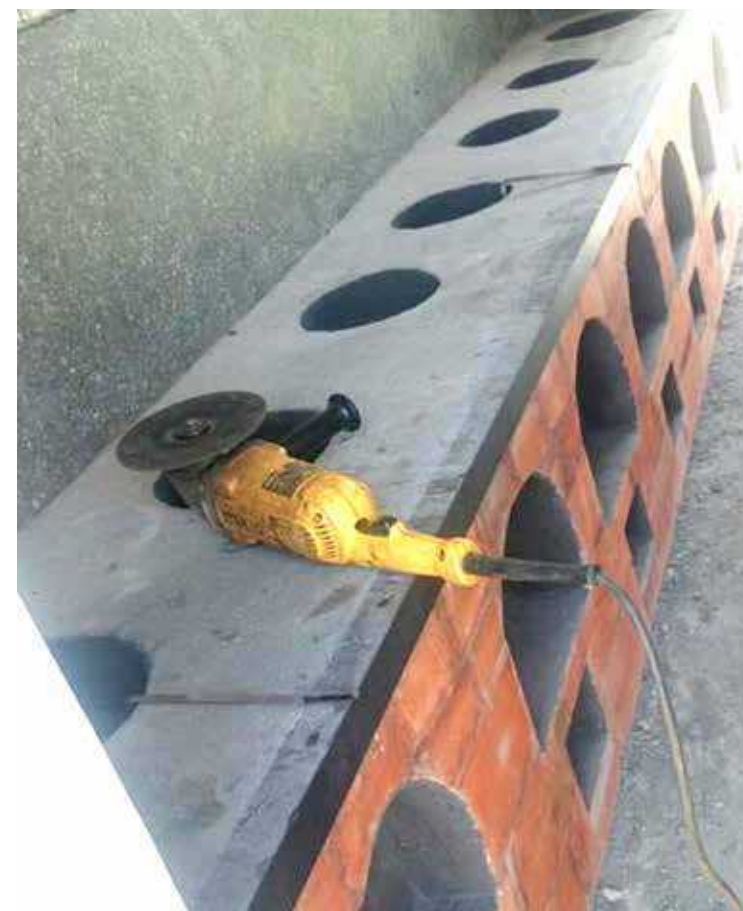
Undertakes planning, design, construction supervision and maintenance management of building structures, bridges and other major road structures.

ELECTRICAL AND MECHANICAL DEPARTMENT:

Deals with the design and supervision of electrical and mechanical services for buildings. The department also carries out servicing and maintenance of electrical and mechanical systems for both domestic and commercial establishments.

SURVEYING, MAPPING AND GEOTECHNICAL SERVICES DEPARTMENT:

It handles the vital role of topographical, cadastral and construction control surveys. The department carries out materials investigations and testing of foundations. In collaboration with other established survey firms, this department also undertakes aerial mapping for purposes of location of route corridors for roads.



PROJECTS



BUILDINGS

ONE STOP BORDER POST (OSBP) FACILITIES AT KOBERO-BURUNDI

The East Africa Trade and Transport Facilitation Project (EATTFP) is designed to enhance trade connectivity and integration within the East African Community. Thus, the upgrading and modernising of border-post facilities across the region is vital to the East African Common Market.

Starting in 2012, we were contracted to carry out a feasibility study, preparation of topographical survey, socio/environmental study and geotechnical study including preliminary and outline designs and cost estimates for the border post at Kobero in Burundi.

We also prepared detailed architectural & engineering designs including tender documents and construction supervision.

When complete, the facility will include customs buildings, goods inspection warehouse shed/building, immigration building, plant and animal health facility, security building, commercial service providers' facilities, axle load control facility, vehicle parking yard, fencing, utility and other services.





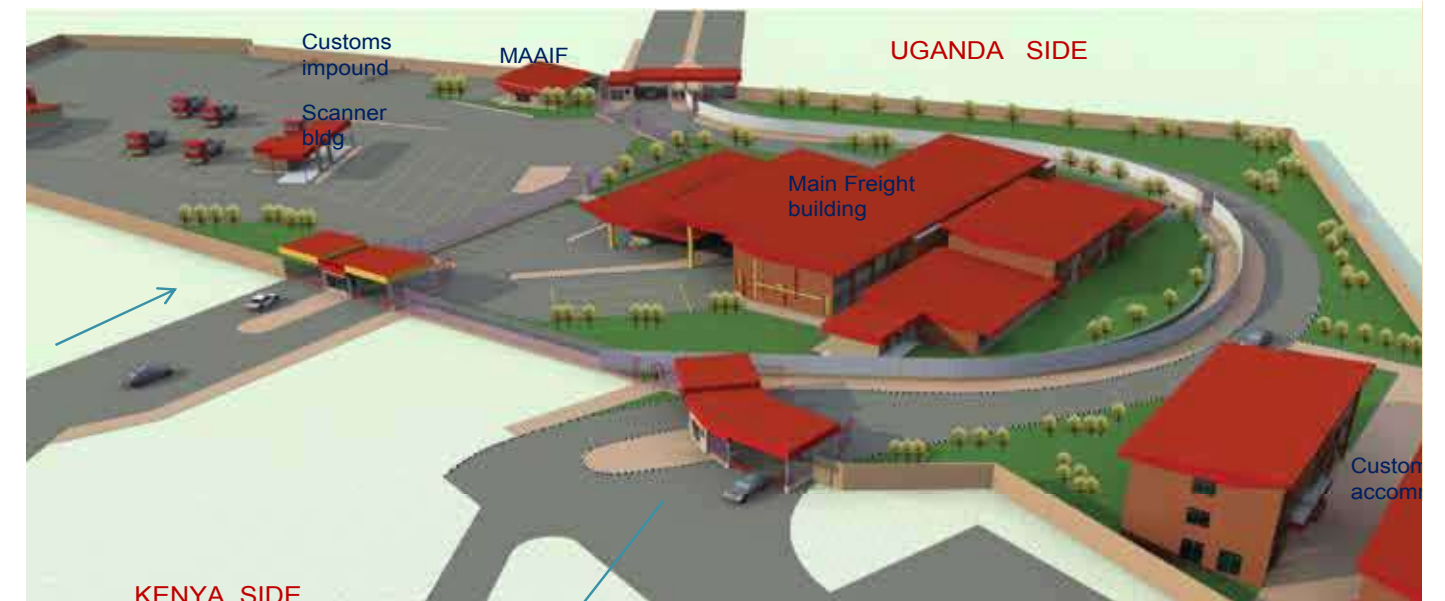
ONE STOP BORDER POST (OSBP) FACILITIES AT BUSIA AND MALABA-UGANDA

Modern transport and business-enabling facilities across the East African Community boost commerce in the Common Market, especially for land-locked countries like Uganda, Rwanda and Burundi. There the East Africa Trade and Transport Facilitation Project is continuing its reach of border facilities that make it possible for goods and people to move easily across the region.

We provided consultancy services for the feasibility study for the upgrade of these facilities, as well as preparation for the topographical survey, socio/environmental study and geotechnical study among others.

Our staff provided professional services in the area of preliminary and outline designs and cost estimates; preparation of detailed architectural & engineering designs and tender documents. We also carried out construction supervision for the project.

The modernised border facility will include a customs building, goods Inspection shed/building, immigration building and a plant and animal health facility. Other facilities will include an area for axle load control, a parking yard, road network, as well as utility services.



CENTRAL MARKETS IN URBAN AREAS IN UGANDA

The Ugandan Ministry of Local Government has been in a drive to improve infrastructure in several urban areas in Uganda.

With funding from the African Development Bank, the Ministry contracted us to upgrade markets in Jinja and Lugazi starting in June 2010.

The project, which was completed in December 2014 aimed at creating an enabling environment for the entrepreneurial sector

to work towards creating employment, and improving their incomes and livelihoods. The modern market facilities provide space for the trading and marketing of agricultural products, household items and general merchandise.

Our professional staff carried out a comprehensive needs assessment, topographical surveys and also prepared the Environmental Impact Assessment for both projects.

We prepared the bidding documents and also covered the construction supervision and management during the project period.

Jinja Central Market



REFURBISHMENT/RENOVATION OF POST BANK UGANDA BRANCHES

At 22 Post Bank branches, we were contracted to carry out design and supervision of the renovations for a varied range of facilities, including vaults, teller cubicles, customer service counters and banking halls.

This was in major towns like Kabale, Hoima, Mbale, Masaka, Entebbe and Jinja, as well in the Kampala city suburbs of Wandegaya, Bugolobi, Ndeeba and William Street, to name a few.

The project, done between January 2014 and July

2015, encompassed civil works, electro-engineering installations and telecommunications cabling.

Our staff provided expertise in the designing of production drawings as well as preparing regular design and progress reports during the project period.

VVIP LOUNGE AT THE ENTEBBE INTERNATIONAL AIRPORT

In 2006, the Civil Aviation Authority (CAA) contracted us to work on a new VVIP Lounge for the visiting Heads of State. The facilities we worked on included a parade ground, aircraft parking apron, access road with associated infrastructural works and electromechanical works like sewerage and drainage.

Our staff provided consultancy services for surveys as well as design and production of architectural, civil/structural and electromechanical drawings. During the project period, which ended in 2007, we coordinated with other project consultants and prepared progress reports.



REHABILITATION OF HOSPITALS

The Ministry of Health, with World Bank funding, embarked on the rehabilitation and improvement of main hospitals across the country in 2010.

Our team undertook a comprehensive study of the existing physical infrastructure and equipment at these health facilities, to determine their adequacy in regard with services offered. We also looked into the physical planning of land occupied by the health centres, the availability and adequacy of utility facilities like water, electricity and disposal services for both domestic and medical waste.

We also assessed the condition of the internal road network, surface drainage and

made recommendations on what was up for renovation.

We prepared a master plan for the expansion and remodelling of the facilities, upgrading of civil works within and coordinated with other consultants on the project.

Our staff produced the working drawings, carried out the environmental impact assessment and also prepared design reports under the first phase of the project.

The project, which was completed in 2011, included hospitals at Kawolo, Entebbe, Buwenge, Moroto, Bugiri, Iganga, Pallisa and Bukwo. We also worked on 9 Health Centre IVs, that is; Buvuma, Budondo, Ntenjeru – Kojja, Buyinja, Nankoma, Bugono, Kiyunga, Kibuku and Budaka.



REHABILITATION AND UPGRADE OF IGANGA GENERAL HOSPITAL

We reviewed the design and supervised works at Iganga Hospital, to ensure that specifications and construction standards are adhered to.

The Ministry of Health's Systems Strengthening Project was aimed at improving the physical and technical facilities of the health facilities across the country.

Our professional team also worked on post-construction services carried out to make sure of finalization of contract accounts under phase two of the project.





MULAGO SPECIALISED MATERNAL AND NEONATAL HEALTH CARE UNIT (SMNHUP).

Mulago National Referral Hospital has embarked on developing detailed Engineering and Architectural Designs as well as Tender Documentation for what will be called “the women’s hospital”.

We were contracted to work on the project starting January 2014, for a facility that will provide state of the art specialised health care in the obstetrics and gynaecology patients department. Specialised facilities under consideration included; high risk antenatal care services, delivery and post-natal services, gynaecological oncology and uro-gynaecology services as well as Assisted Reproductive Health Technologies and Family Planning Services.

The facility is meant to have a 300-bed capacity, and our staff provided pre-contract architectural and engineering services including environmental, land and geo-technical surveys, reviewing existing documentation and preparation of architectural and engineering detailed drawings. The project was completed in August 2014.



UPGRADE OF MOROTO REGIONAL REFERRAL HOSPITAL

The Karamoja region is one of the most in-need areas when it comes to social services. Health services therefore are vital, since only a few exist in the large expanse of North-Eastern Uganda.

Moroto regional referral hospital is the largest and only public referral facility in the area, and is there most important to Karamoja.

In 2010, the Ministry of Health, with World Bank support under the Uganda Health Systems Strengthening Project, sought to upgrade the facility, to enable it serve the region better.

Our team provided professional services for phase two, starting from reviewing of the design, preparing

as-built drawings, and on to the supervision of the construction works, to ensure adherence to the specifications in the design.



REHABILITATION AND UPGRADE OF MITYANA GENERAL HOSPITAL

Under the Uganda Health Systems Strengthening Project, the Ministry of health contracted our professional services to review the design and supervise construction for works on Mityana Hospital.

We prepared as-built drawings, and monitored for defects under Phase two of the project. We also provided post-construction services to ensure finalization of contract accounts and prepared maintenance manuals.



DESIGN AND CONSTRUCTION OF NAKASEKE TECHNICAL INSTITUTE

In 2012, the Ministry of Education & Sports contracted Arch Design to undertake the design and supervise works on Nakaseke Technical Institute.

We worked on the designs and tender documentation for the project in the first phase of the project.

Phase two comprised of contract management and supervision of construction works. We are also overseeing the supplies to the facility, including furniture and specialised technical education equipment. Our staff also assisted in carrying out a comprehensive needs assessment, site surveys and the production of working drawings, obtaining approval for the drawings and preparing regular design and progress reports.

We supervised construction works, trained the staff and procured the teaching and laboratory equipment.



DESIGN, CONSTRUCTION, TRAINING AND SUPPLIES-SUPERVISION FOR TECHNICAL INSTITUTES

In 2011, the Ministry of Education embarked on establishing new technical institutes in the districts of Namutumba, Nakasongola, Yumbe, Hoima, Masaka, Mukono, Amuria, Kamuli and Pader.

This project required us to create the designs and also take care of the procurement process for the construction works and supplies.

We undertook preliminary investigations and developed tender documentation, but also assisted in the contracting process in the first phase of the project. In the project's second phase, we carried out contract management and supervision of works.

We will also oversee the procurement of furniture and specialized equipment for the education institutions.





PESTICIDE RESIDUAL ANALYTICAL LABORATORY

Arch Design was contracted by the Ministry of Agriculture, Animal industry and Fisheries to work on a new Pesticide Residual Analytical Laboratory at Namalere.

We created the designs and also the supervision of the construction the lab, office space, stores and related infrastructure.

The tasks also included preparation of working and production drawings and details, obtaining approval of drawings with Wakiso District Council, and secretarial services to prepare regular design and progress reports.

PHYTO-SANITARY LABORATORY

A new Phyto-sanitary Laboratory with offices, stores and related facilities was constructed in 2005 at Namalere under the Ministry of Agriculture, Animal industry and Fisheries, with support from DANIDA.

We created designs for the project, and also oversaw construction of the central phyto-sanitary laboratory and related infrastructure.

Our team coordinated with the Wakiso District Council to have drawings and details approved. We also provided secretarial services to prepare regular design and progress reports.

AGRICULTURAL

REHABILITATION/RECONSTRUCTION OF OLWENY AND AGORO IRRIGATION SCHEMES

Modernising agriculture is on the Uganda government's agenda for improving the incomes of its citizens. The Agoro and Olweny irrigation schemes in Northern Uganda are seen as sustainable way to provide water for farmers looking to earn more from the land.

In April 2013, the Ministry of Agriculture, Animal Industry & Fisheries (MAAIF) therefore contracted us to review the rehabilitation requirements, review designs and drawings of the schemes and preparing new ones for use by the contractors.

We also assessed current management structures of Olweny and Agoro irrigation schemes, looked into responsibilities for operation and maintenance and proposed a system for the rehabilitated schemes.

Our professional staff also supervised the construction works.



LIVESTOCK WATERING FACILITIES

Under Ministry of Agriculture, Animal Industry & Fisheries' Livestock Water Supply Component, we were contracted to rehabilitate and establish a maintenance system for watering facilities in 9 districts including Isingiro, Kamuli, Kumi, Kiboga and Mubende between August 2008 and July 2009.

The project, completed in 2010, included construction supervision for facilities of up to 2,460,000 cubic metres per year. These included dams, valley tanks and other sustainable technologies.

We coordinated with the local authorities, and involved user communities in the process, in order to enhance their ability to manage implementation of subsequent activities of similar nature. Our project management tasks also involved training of the user community.





ROADS

RECONSTRUCTION OF KALINDA, KABAKANJAGALA AND SSEKABAKA KINTU ROADS

The Kampala City Council Authority has undertaken the refurbishment of roads in the city divisions as a way to improve infrastructure in Kampala.

For three major roads in Rubaga Division, between May and November 2013, we were commissioned to do supervision of re-construction works.

We created designs for the upgrade of roads from gravel to bituminous, and also supervised the grading, gravelling, landscaping, and drainage improvement works.

This followed a review of existing information, soil investigation of material sites. We also liaised with KCCA and other relevant authorities for approval of designs.

COMMUNITY ACCESS ROADS AND FEEDER ROADS

Between 2009 and December 2012, Arch Design provided professional services on the construction and upgrade of 3120 kilometres of roads in 26 districts around the country. These included community access roads, as well feeder roads under the Community Agricultural Infrastructure Improvement Programme (CAIIP).

We carried out road inventory and condition surveys, and our task was to design all-weather gravel roads.

We also prepared the bid documents, did site and engineering surveys as well a socio-economic assessment of the areas.

We liaised with statutory organisations and authorities for approval and supervised the civil works.

MAINTENANCE WORKS OF SELECTED NATIONAL ROADS

The Uganda National Roads Authority (UNRA) tasked us to review information and create designs for the upgrade of Soroti – Serere Road (28Km); Serere – Bugondo Road (25Km); Ariamoi – Lopei Road (30Km); Nadunget – Lokapel Road (46Km) and Chosen – Amudat Road (34Km) between 2010 and 2011.

The work started off with review of existing information and soil investigation, and we also did construction supervision for the maintenance works that included grading, gravelling and upgrading of drainage.

MAINTENANCE WORKS OF SELECTED NATIONAL ROADS

The roads included Katine-Ochero (71Km), Bumbobi-Bubulo-Budaka circular (44.6Km), Moroto-Lokitanyara (44Km), Namagumba-Budadiri (20Km) and Lokapel-Nabelatuk (21Km).

The project ran from 2009 to 2010, and our professional staff reviewed the existing information and carried out soil investigations.

We also coordinated with relevant authorities for designs' approval and supervised the maintenance works which included grading, gravelling, and improvements on drainage channels.





INDUSTRIAL

BANANA PROCESSING PLANT AND LABORATORY

The Presidential Initiative on Banana Industrial Development (PIBID) aims at adding value to one of the most widely-grown foods in Uganda; green bananas.

The project to put up a processing plant at Nyaruzinga, Bushenyi, was started in 2008, and looking to build facilities to process bananas at an industrial scale.

We carried out a feasibility study and created detailed architectural drawings as well as electrical, mechanical, civil and structural development for the project.

The facilities constructed include a factory complex for processing banana flour, plus milling & packaging facilities. Other blocks included bread & biscuits, a research and quality assurance laboratory, conference and library structures.

PILOT SITE PREPARATION & REFURBISHMENT OF THE ECONOMIC & FINANCIAL MANAGEMENT PROJECT DATA CENTRE

The Ministry of Finance, Planning & Economic Development with World Bank support contracted us to work on a data centre under the Second Economic & Financial Management Project II [EFMP II].

This included server rooms, office space and construction and generator houses. Electrical and mechanical works, fire-fighting equipment installation, security doors and locks and installation of air-conditioning equipment was also carried out.

Our Staff worked on the designs, produced working drawings and details, bid documents and also coordinated with the client and other lead consultants.





HASS PETROLEUM FUEL DEPOT KYENGERA, MASAKA ROAD

The Project involved preparation of an Environmental Impact Assessment for the site, and designing of the Tank Farm comprising of; a 2120 cubic metre vertical PMS Tank, a 3004 cubic metre vertical AGO Tank and a 502 cubic metre vertical BIK Tank.

We also provided professional services for the construction of a concrete wall around the Tank Farm, fuel pipelines, fire water hydrant system, foam

water hydrant system, loading and offloading pumps.

A loading gantry, pump house, rigid pavement concrete driveway including the drainage system, discharge concrete slab, oil interceptor, septic tank and office block were also designed.

Our staff managed this project between 2013 and early 2015 by creating the preliminary designs, detailed designs, taking charge of contract administration, and also supervised the construction works.



MUNICIPAL ASSESSMENT FOR INVESTMENT NEEDS

Between July and September 2011 we assessed the municipalities of Arua, Gulu, Lira, Moroto, Soroti, Tororo, Mbale, Jinja, Entebbe, Masaka, Mbarara, Kabale, Fort Portal and Hoima and looked at their existing assets and prepared asset registers with regard to their core service provision mandate.

We categorised the assets into social services like water systems, health facilities, social halls and leisure parks as well as educational facilities.

Our staff provided the inventory of the assets in the fourteen municipalities; they assessed their condition in regard to functionality and also determined the existing management practices for the same.

We were charged with developing an asset management system, which included setting up and maintaining the asset registers, as well as preparing annual management plans based on these registers.



OUR CLIENTS

- 1 African Development Fund [AfDB]
- 2 World Bank (IDA)
- 3 Belgium Technical Corporation [BTC]
- 4 Petrocity Enterprises (U) Limited
- 5 European Union (EU)
- 6 Civil Aviation Authority [CAA]
- 7 National Curriculum Development Centre [NCDC]
- 8 Islamic Development Bank
- 9 DFCU Bank
- 10 Post Bank Uganda Limited (PBU)
- 11 Ministry of Education & Sports Uganda
- 12 Ministry of Public Service
- 13 Ministry of Finance, Planning & Economic Development [MoFPED]
- 14 Faulu Uganda Limited (Opportunity Uganda)
- 15 Ministry of Health [MoH]
- 16 Ministry of Works & Transport
- 17 Trademark East Africa
- 18 Uganda National Roads Authority (UNRA)
- 19 Mulago National Referral Hospital
- 20 Ministry of Local Government
- 21 Various corporate clients

THE DIRECTORS

Arch. Richard K. Mugulusi, Director, Technical Services

Mugulusi is a director at Arch Design and he has over 18 years of professional experience. He got his architectural training from Makerere University. His daily duties at the firm surpass Architectural Design and entail liaising with the clientele and other firms associated with various consultancy disciplines as well as guiding and directing the contractor towards execution of the works. He is a member of the Uganda Society of Architects (USA) and is a registered architect with the Uganda Architects Registration Board (ARB).

Arch. Richard Turyahabwe, Director, Admin & Finance

Turyahabwe qualified from Makerere University and is a registered Architect with over 18 years of professional experience in the field of architecture, project management, financial and administration management. Besides his professional experience, his organizational and interpersonal skills make it possible for contracts to be properly coordinated and for his technical teams to execute their work to the utmost standards. He is a Corporate Member of the Architects Institute of Uganda and is registered as an Architect with the Uganda Architects Registration Board and Corporate Member Architectural Association of Kenya.

Arch. Fred Waiswa Waix, Director, Business Development

Waiswa Fred Waix is a professional Architect with over 18 years of professional experience, amassed from first-hand handling of projects, having qualified from Makerere University. As Project Director of most of the reputable jobs the firm has executed, he employs his personal skills in maintaining high standards and professional discipline. As a founding director of Arch Design Ltd, Waiswa has participated in the design and construction supervision of civil engineering projects related to development and maintenance of infrastructure. He is a Corporate Member of the Uganda Society of Architects (MUSA) and a Registered Architect with the Architects Registration Board (ARB).

Arch Design Ltd

COMPANY PROFILE

CONTACT US

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