



Armando Maximiano Figueiredo – Architecture

DipArch RIBA MAAK(A) MAPM

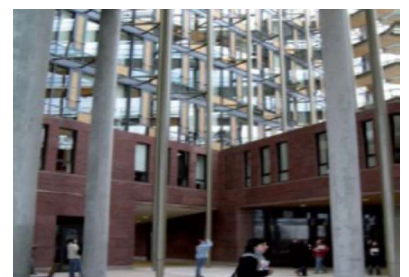
Chartered Architect and Project Manager

I am a Principal Consultant with ZEF Concepts Ltd UK leading design consultancy work on International Projects for Public Sector and Corporate Clients.

I have spent 50 years designing and supervising projects in Developing Countries. My particular specialty skills include Tropical Architecture and the application of appropriate technology.

I have been a Partner and Director of Norman + Dawbarn, an international firm of Architects, Consulting Engineers and Planners since 1975. In this senior position I have been responsible for managing the delivery of public sector development projects of varying size and complexity, from initial inception to completion, commissioning and hand over. Project sectors covered include Health, Education, Commercial & Mixed Use Industry, Research Facilities, Housing and Leisure.

My work overseas have given me the opportunity to travel extensively in Africa, Asia, the Far East, the Middle East, Europe and North America experiencing varying cultural and economic conditions while developing extensive expertise in dealing with International Funding Institutions and Multilateral Funding Agencies. I have assisted Clients with feasibility studies, pre-appraisal project preparation and funding applications. I have managed construction and infrastructure projects funded by IDA (World Bank), IADB (USA) AFDB (African Development Bank), DFID (UK), EDF, IDB (Islamic Development Bank), BADEA, DANIDA and SIDA.



Membership in Professional Societies

- 1962 Corporate Member of the Royal Institute of British Architects
- 1965 Architect Member of the Architectural Association of Kenya
- 1975 Founder Member of the Malawi Institute of Architects
- 1998 RIBA Certificate in Project Management
- 1998 Member of the Association for Project Management UK
- 1999 Member of the Health Care Engineering and Estate Management IHEEM UK

Relevant Experience

- Design Director for the following Health Projects:
- Upgrading and expansion of National Consultants Hospital Mulago Uganda
- Rehabilitation and expansion of National Referral Hospital Muhimbili Tanzania
- State Referral and Teaching Hospital Gombe State Nigeria
- National Referral Army Hospital Accra Ghana
- Rehabilitation of National Consultants Hospital Zanzibar Tanzania
- Referral Hospital at Mizan Teferri Ethiopia
- Research Hospital at Mengo Kampala Uganda
- Master Plan for National Consultants Hospital for Malta

Education

- 1957-62 University of Nairobi, Kenya
Diploma in Architecture
- 1964 Completed RIBA Part III examination successfully and accepted as Associate Member of Royal Institute of British Architects
- 1998 Completed successfully the RIBA Project Managers Certificate course held at Cambridge University



General Experience

Current 2012 to date

Principal Design, Planning and Project Management Consultant ZEF Concepts Ltd UK

2009 to 2012

Project team leader for the design and supervision of the Skills Training and Vocational Education Project (STVEP) Nigeria funded by the African Development Bank . This includes the expansion of 9 Federal Colleges located around the country. Designs were developed for modular teaching buildings, workshops and student accommodation and support facilities. Innovations introduced include planning for passive cooling of buildings, the use of cement stabilised compressed soil blocks for walling, harnessing solar energy for stand by power and rainwater harvesting.

2010 to date

Technical advisor on the Rivers Monorail project for Port Harcourt Nigeria

2010 to date

Technical advisor to the design team for US\$ 900m mixed use development in Lagos Nigeria for Exxon Mobile Oil Company.

2004-2006

Project leader for the design and development of AKUTECH – Akwaibom University of Technology SE Nigeria. AS Project Manager led a multi disciplinary team to execute the Master Plan (Urban Plan) for a new township of 30,000 people and the detail design of the faculty of Engineering Sciences, Main infrastructure and Building Engineering Services.

2006-2009

Project Leader on the design of a 300 bed 5star Hilton Hotel at Lagos International Airport.



2004-2007

Project leader of the team carrying out the Master Plan and Economic Plan for the Niger Delta SE Nigeria for the Niger Delta Development Commission. This plan included 9 States with a total population of 30 million and covered all sectors of the economy in the region from transportation, Education, Agriculture, commerce. The emphasis was on poverty alleviation and job creation.

2004-2005

Technical advisor on a team drawing up a strategic plan for Technical Education and Vocational training For the Government of Papua New Guinea. The study was funded by the European Union Brussels

2000-2003

Project Director for the design and construction of major production factories for British American Tobacco in Turkey and Nigeria. Completed Master Plan Architectural designs and working drawings and managed Architectural Team during construction.

2003-2005

Project Leader and designer of a 500 bed Specialist Army Hospital Accra Ghana. This included the Master Plan, New Ward blocks and a new Out patients Department.

2000- 2007

Project Manager and lead design Architect for The First Health Project Tanzania funded by the African Development and Government of Tanzania. This included the main National referral Hospital of 1800 beds, 3 no Regional Hospitals and 40 Dispensaries.

2002-2007

Project Manager and lead design Architect for major rehabilitation at Muhimbili National Hospital Dar es Salaam Tanzania. This included a state of the art Pathology laboratory and New Out patients Department The project was funded by Axios and Abbot Laboratories of USA



Experience Record

- 1966** Joined Norman + Dawbarn Architects, Consulting Engineers Planners
- 1972** Appointed Senior Architect in charge of projects in East Africa .
- 1975** Appointed Architect Partner with responsibility for the firm's offices in East and Central Africa.

Since 1988 Senior Director International Division.

2005- 2012

Senior Consultant with Capita; an International firm of Architects, Engineers and Project managers.

2012 to date

Principal Consultant, Design, Planning and Project Management ZEF Concepts

Currently assisting with developing the marketing strategy for the international division of ZEF Concepts and preparing technical and financial proposals on projects funded by international funding agencies and National Governments.

A. Selected projects as Project/Programme Manager

2009-date

Lead Architect / Planner for the expansion of 9 No Skills and Vocational Training Colleges in Nigeria for the Federal Ministry of Education Nigeria and funded by the African Development Bank. The project introduced modular designs and developed sustainable solutions.

2003-2007

Lead Architect /Planner for The Akwa Ibom University Of Technology Uyo Nigeria. The University was planned for 10,000 students on a green filed site in the Niger Delta. As a team we dealt successfully with the challenging ecological, geological and social conditions.

Project Manager for the design of Phase 1, Engineering Laboratories for research and development



2002-2009

Project Director for the Master Planning expansion and rehabilitation of Muhimbili National (Teaching) Hospital under AfDB and Central Pathology Laboratories / OPD under AXIOS Foundation Inc. These are major projects intended to uplift Muhimbili to a centre of excellence. The project is complete.

Project Value US\$ 19,000,000.00

2000-2002

Special Courts for Seiraleone ; funded by United Nations. This was a very specialized highly secure building for conducting trials of war criminals in the region.

Project Value US\$4,000,000

1998-1999

Project Director in charge of new 1000 bed Acute General Hospital for Malta. My role was to manage the multi professional design team made up from 5 firms from UK, France and Malta. The Master planning and development control proposals are complete. The Client is now seeking design-build proposals. Funded by European Fund for Social Development.

Project value £ 120,000,000.

1996-1998

Project Director in charge of developing detailed program for the rehabilitation of 12 tertiary hospital and centres of excellence in NW Nigeria, funded by the Petroleum Trust Fund, Abuja, Nigeria.

I lead a multi disciplinary team of UK & Nigeria professionals in conducting surveys, developing the needs for each centre related to the national health plan and state health needs; establishing design briefs and cost budget and agreeing priorities related to the operational policies of each centre; establishing detailed brief and room data for each building to be rehabilitated and new build;



developing project implementation programs for design and production drawings; preparation of specification tender documents, submittals and presentations to project sponsors after agreeing procedures for checking of design and production drawings and review of all tender documentation prior to final submittal. Pre-contract and tender stages completed and implementation about completed.

Project value US\$ 12,000,000.

1992-1997

Project Director in charge of the construction and completion of 250 bed Gombe Referral Hospital NE Nigeria.

I was appointed Design Director for the design stage and took over as Project Director in 1994 after funding had been secured for the project from the African Development Bank. I was a member of the team that prepared the funding justification document and application on behalf of the Client.

My role as manager included controlling a multi disciplinary team of UK & Nigerian professionals completing production drawings and tender documents including the procurement of bio-medical equipment, furniture, semi-consumables and consumables. In addition I was responsible for preparing detailed implementation programs, monitoring performance and output against these programs and preparing quarterly progress financial and technical reports for the funder AfDB. My duties included preparing a plan for installation of medical equipment and commissioning which is currently being executed and scheduled for opening in 2 – 3 months time.

Project value US\$ 60,000,000



1992-1994

Appointed as Project Manager for the Eye Hospital India. My duties included visit to site, discussions with the end users, report on site conditions and environment, negotiating transfer of land to local non-profit making charitable organization supported by Sight Savers of UK. When the site was secured I went to prepare a detailed brief and budget, travelled to Bhopal to brief a local architect, vetted designs, production drawings, tender documents and tender report.

2002-2009

Following appointment of a contractor made visits, monitored construction and expenditure and advised the funder on value for money, payments to consultants and contractors and the final account.

A particular difficult task was advising on quality of mechanical and electrical services to meet international health safety standards.

Project value US\$ 2,000,000.

1991-1993

Project Director on the development of a medical training school on a green field site in Zanzibar funded by the Government of Oman.

My duties included developing a statement of intent (Project content and value) for the two Governments to sign an agreement, followed by monitoring of the design, tender and construction stages to final completion, installation of client supply materials and equipment, commissioning and hand over.

Project value US\$ 8,000,000



Selected major international projects as Partner/ Director in charge by Country.

B) Saudi Arabia

Farasan Berth and associated facilities including large industrial complex, offices and a small township. Duties included preparing a Master Plan and supervising a multi-disciplinary team to complete production drawings for Construction.



Jamaica-West Indies

Competition Winning Entry for Student Village at the University of the West Indies, Jamaica (funded by EEC). Led UK multidisciplinary team for completion of Student Village Master Plan and the detail design and production / construction documentation.

Ethiopia

- Major extensions to the Addis Ababa University to increase student intake by 3,000 funded by World Bank (IDA). The project involved the development of Teaching and Research laboratories for the faculty of Science
- International Livestock Center for Africa – funded by member countries and World Bank (CGIAR). The Project included Research buildings, Conference facilities, hostels and housing.
- Rural Hospitals 120 bed, funded by EEC.
- School for Laboratory Technicians, funded by EEC.

India

- Specialist Eye Hospital, India for “Sight Savers” (IRCSB).

Kenya

- Headquarters for the National Library Services, Nairobi and regional libraries at Kisumu and Eldoret.
- Masterplan and development study for Ramogi Institute of Science and Technology.

Addis Ababa Ethiopia

Major expansion for 4000 students; New faculties of Science and Social Sciences

Eritrea

350MW Power Station.

Sudan

Housing compound for Technical Cooperation Officers Sudan. Funded by ODA (DFID).

Sierra Leone

Special Court set up by UN to try war criminals.

Zanzibar

- Islamic College, Zanzibar, funded by the Islamic Development Bank. Refurbishment and upgrading of Africa House and Zanzibar Hotels for TTC. College of Health Sciences Zanzibar funded by the Government of Oman.
- Technical Secondary School for 200 students (residential) funded by IDB including design and management of school furniture supply throughout the islands.

Angola

- Extensions to British Embassy.
- Diplomating Housing for the British Embassy

Nigeria

- New 282 bed referral hospital in Gombe, Bauchi State funded by African Development Bank.
- Rehabilitation of 22 general hospitals in 5 states funded by AfDB. A 5 year program which commenced in 1993.
- Secondary schools program for entire State of Gongola and construction of pilot projects.
- Regional Development Plan for Niger delta Region SE Nigeria
- Commercial mixed use development Central Port Harcourt in collaboration with Harcourt Adukeh Associates



- 300 room Hilton Hotel Lagos International Airport.
- Industrial Manufacturing Complex Ibadan for British American Tobacco
- Equatorial Guinea West Africa
- Development of campus for Marathon Oil (Administrative offices, Housing and Hostels.

Ghana

- 500 bed Specialist Army Hospital Accra Master Plan and detail Design. Rehabilitation of 300 room Ambassador Hotel
- Master Plan for 600 bed Army Hospital in Accra Ghana. Design and construction of Phase 1 & 2.

Uganda

Rehabilitation and expansion of 2,000 bed Consultant and Teaching Hospital, Mulago.

Malawi

- Expansion of University of Malawi various donor funding and IDA. (World Bank) Expansion of Bunda Technical College.
- Major expansion to Agricultural Research Centres nationally funded by the World Bank (IDA)
- Options study on new prototype design for secondary schools program funded by IDA (World Bank)
- Prototype designs for Government Housing.

Zambia

Agricultural Research Project civil works component, pre-feasibility study for upgrading existing centres and construction of new ones. Funded by World Bank (IDA).

Turkey

New factory Complex for BAT- British American Tobacco.

Egypt

Master Plan and concept design for a 20 sq km Tax free industrial park in the Gulf of Suez ; for manufacturing and assembly/storage of finished goods.



Malta

- Master Plan and development Plan for the Consultant Hospital 10000 bed capacity.
- Master Plan and design for a major 40 story point block with mixed use including commercial centre of the City including Housing, Offices, Leisure and Hotel



Tanzania

- Tourism study and design of Hotel Management School funded by World Bank.
- IDA 1 to 7 Education program over a period of 10 years involving 20 secondary schools and 10 colleges of Education, funded by the World Bank (IDDA).
- Training Center for TAT in Tabora funded by World Bank Residential Training College for THA funded by NORAD Mbeya Referral Hospital, 500 bed, funded by ODA (DFID).
- Supervision of Construction for 'Umoja House' new British High Commission and joint European Union Embassies in Dar es Salaam. Funded by FCO.
- Rehabilitation and expansion of 1800 bed Muhimbili Referral and Teaching Hospital funded by AfDB.
- Urban Health Study by SDC. (Swiss)
- Winning design for Science Centre, University of Dar es Salaam
- University of Dar es Salaam ; 6,000 student capacity, 8 facilities and complete university township phased over 20 years.
- Strategic grain stores in Dodoma, Shinyanga and Makambako funded by ODA (DFID) Vocational Training School Arusha

