

Often there is no need to look for complex solutions to problems. Taking your project forward can be achieved by gaining simple, clear, and professional advice that identifies your strengths and weaknesses and helps you deliver the best possible solution. We are leaders in infrastructure Engineering and Management with demonstrated experience in every phase of the project life cycle, from initial feasibility studies and masterplanning through design and operation. We have a long history of providing these services directly to public and private sector clients.



## Public, Private Partnerships, and Project Finance

We are one of the leading providers of technical advisory services for Public-Private Partnership (PPP) projects in Uganda, providing advice to many types of clients including institutions in the public sector, lenders as well as bidders, and concessionaires on financing their projects.

We are familiar with all forms of contracts and the various conditions of contracts from major organizations such as the World Bank and FIDIC. We prepare specifications and tendering and contract packages and can provide advice throughout the process.

We provide advice on traditional contracts, design and build contracts, and all forms of Public-Private Partnership (PPP). In Uganda, we have stepped into infrastructure and technical advisory playing different roles such as funder's technical adviser, adviser to project

companies/sponsor/contractors, post-financial close monitor, independent certifier/tester, and operational monitor.

## Technical Advisory

### o Pre-Feasibility & Feasibility studies

We use our extensive experience to formulate several options and optimize proposed solutions. In undertaking this process, it's vital that both the pre-feasibility and feasibility studies of a project are assessed holistically and systematically. This is where our skills in conducting and integrating technical, commercial, environmental, and socio-economic appraisals come to the fore.

During the feasibility stage, we revisit the required outcomes and input feedback from stakeholders to refine the solutions proposed and the business case, ensuring that the impact of particular

needs is carefully balanced with environmental, safety, and social consequences. We're skilled in managing this whole process, making sure project objectives are properly defined and their functionality understood by everyone involved. Experience shows that our facilitation and consultation skills are invaluable in giving all participants clear, concise information that's easy to assimilate. Our proven management consultancy skills add another level of confidence in recommending the preferred option.

Our capabilities in feasibility studies cover infrastructural developments including road networks, buildings and structural, geotechnical works, power supply developments, water resources supply distribution, and treatment among others.

### o Infrastructure planning

Physical infrastructure is critical to human existence and quality of life. An adequate infrastructure system is the backbone of economic development in any region. Infrastructure planning involves undertaking projects whose success is dependent on several factors such as engineering feasibility, economic/financial viability, socio-economic and environmental impacts, and legal and institutional constraints. ATRO's approach to infrastructure planning is governed by the systematic and logical framework below.

- 1 Establishment of goals and objectives
- 2 Identification and analysis of a problem
- 3 Identification of a solution and its impact
- 4 Formulation of solution alternatives and analysis

- 5 Recommendations to solve the problem including implementation schedules
- 6 Decisions of preferred solution, including financing
- 7 Implementation, including final design and construction

Our team of multi-disciplinary experts craft tailor-made solutions to address the needs of our clients keeping in mind the backdrop of a unique, evolving, and developing society. Our methodologies range from fairly simple approaches to complex numerical optimization techniques depending on the scope and scale of the project(s) being evaluated.

We are also aware that public and political buy-in is integral to the success of any project, hence our effective collaboration with all stakeholders during the implementation of our projects.





## Urban Planning

ATRO has the capacity and expertise in physical planning and offers professional advice on matters related to the various aspects of land use and land management. The firm has undertaken professional consultancy activities in areas like:-

- GIS mapping and Geodatabase generation;
- Socio-cultural studies of cities, e.g. studies concerning demographic characteristics, lifestyles, social classes, values, etc.
- Land use surveys and analyses
- Physical Planning (Urban and Regional Planning)
- Urban space use studies
- Urban form studies

- Urban greening of cities and urban areas
- Evaluation of adopted urban development plans and policies. We also evaluate adopted local or donor-funded urban development projects/schemes
- Feasibility studies for different urban development projects including the assessment of the development potential of sites
- Housing studies
- Urban renewal and conservation studies, e.g. inventory studies of buildings, land use patterns, traffic circulation systems, solid-void interfaces including physical densities, urban space treatment, societal characteristics, natural environment features, etc.
- Urban poverty assessment
- Economic studies of cities, e.g. studies concerning employment, retailing, commerce, industrial development, urban agriculture, and leisure services including those for tourism, transport services, local services, and facilities, etc.
- Socio-cultural studies of cities, e.g. studies concerning demographic characteristics, lifestyles, social classes, values, etc.

## Greening & Sustainability

We are at the forefront of Greening Uganda's Urbanization and industrialization, reducing Carbon emissions, and ultimately combating GHG effects. ATRO E&M has provided urban planning services that cover all crucial aspects of development from sustainability master planning to implementation, including urban design, landscape design, risk assessment, project management, financing, and procurement. Our project portfolio features eco-cities and inner-city regeneration schemes,

mixed-use developments, multimodal transport interchanges with associated community, heritage, or tourism facilities. We tap into the expertise of several Initiatives specializing in resilient/smart/healthy/sustainable cities, sustainability, climate resilience, carbon management, infrastructure finance, inclusive economic development, digital infrastructure, gender and social equity, environmental impact, and all major city infrastructure types.



FRONT

BACK



# ADVISORY

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