

i inter-consult ltd.



**STRUCTURAL & BRIDGE
ENGINEERING**

The Structural and Bridges Department for the past 31 years has been providing professional consultancy services in the wide field of buildings and bridges design and construction supervision.

The services provided cover

- Condition survey and rehabilitation planning for existing structures
- Feasibility studies and planning for new projects
- Structural design and detailing for new buildings and rehabilitation works
- Structural design for bridges and drainage structures
- Supervision of building construction works
- Supervision of bridge construction works



BUILDING PROJECTS

The department has successfully designed and supervised construction of the following major projects in the country:

- Multistorey office buildings like Benjamin William Mkapa Pension Towers
- TCRA Head Office Building in DSM
- Industrial structures, like Serengeti Breweries in Moshi, and Land Rover Reconditioning plant at DSM
- Residential buildings like TPA housing schemes in Tanga and Dar es Salaam
- Purpose made functional facilities like the Port Control Tower in Dar es Salaam for marine safety, security monitoring and communication.
- Academic facilities like the Chemical and Processing Laboratories at the University of Dar es Salaam.
- The 1000 Student lecture theatre at the University of Dar es Salaam.
- Lecture theatres and lecturers offices at the medical University of Muhimbili.
- Military facilities like godowns and workshops for TPDF.
- Multi-storey car parks , like the 12 storey high car park facility at Benjamin William Mkapa pension towers



BRIDGES

Interconsult Ltd has been involved in planning, design and construction supervision of bridges and drainage structures throughout the country for various clients:

- Planning, from feasibility study stage, engineering analysis and design, specifications and tender documentation for new bridges and box culverts.
- Upgrading and rehabilitation of existing bridge structures.
- Supervision of new works on bridges and drainage structures
- Supervision of rehabilitation works on existing bridges and other drainage structures, including new abutments, river protection works, widening of bridges, bridge strengthening, sand blasting and painting etc.

Some bridge projects designed include:

- Vingunguti Bridge in Dar es Salaam
- Suguti Bridge in Musoma
- Sibiti Bridge in Singida
- Momba and Mwangira Bridges in Rukwa region
- Dodoma - Manyoni road Box culverts for Konoike Construction co. Ltd
- Flood prevention works on TRC Central line - Kilosa District
- The Korogwe, Handeni- Mkata road drainage structures in Tanga region.
- Bridges in the Kawawa - Nduoni- Marangu Mtoni road in Kilimanjaro.
- Bridges and box culverts along the Mpemba - Isongore road
- Design review and construction supervision of Nanganga bridge, Mtwara region

WATER RETAINING STRUCTURES

The company has successfully designed and supervised construction of water tanks on the ground, underground and elevated tanks in several regions in the country:

10,000 cubic metres reinforced concrete ground water tank, for the Municipality of Tabora,

The Mbagala reinforced concrete elevated water tank for NASACO.

The 2000 cubic metre reinforced concrete ground water tank for TPDF at Kibaha

The 2000 cubic metre reinforced concrete ground water tank for Chibuku at Ubungo Dar es Salaam.

The 450 cubic metre reinforced concrete underground water tank for TCRA in Dar es Salaam

The 1000 cubic metre reinforced concrete underground water tank for Serengeti breweries in Moshi now under construction.



SPECIALISED PROJECTS

Jet grouting at the Port of Dar es Salaam.

Supervision of repair of corroded concrete piles at Port of Dar es Salaam.

Heavy-duty machinery foundations for cement raw mill at Twiga Wazo Hill Cement factory.

Ports Master Plan - Tanzania.

TECHNOLOGY

The Structural and Bridge Department is equipped with the latest computer technology software to assist in the design and detailing of structural work.

The software in use includes PROKON for structural analysis work and AutoCAD for detailing work.



The department has extensive knowledge in the use of concrete, steel and timber in structural work accumulated for the past thirty years the company has been practicing. Efficient use of building materials available worldwide selecting carefully; coupled with local building construction practice has been our philosophy during design.

ABOUT THE FIRM

Inter-consult Ltd. is a dynamic multi-disciplinary consultancy company registered in Tanzania with registration number 6358 of 23rd June 1978 and wholly owned and managed by Tanzanian nationals.

Inter-consult's five technical departments provide services in the fields of:

- Architecture and Town Planning
- Civil Engineering and Project Management
- Structural and Bridge Engineering
- Mechanical and Electrical Engineering
- Quantity Surveying

Based in a centrally located office in Dar es Salaam, the firm operates country-wide on locally and externally financed projects with over 400 projects completed in the past three decades.

Inter-consult is an active member of the Association of Consulting Engineers Tanzania (ACET) which is affiliated to FIDIC, the Tanzania Institute of Quantity Surveyors (TIQS), the Engineers Registration Board of Tanzania (ERB), The Institution of Engineers Tanzania (IET) and the Architectural Association of Tanzania (AAT).

The company is registered with Africa Development Bank (ADB), the World Bank and the European Union (EU). It is also ISO 9001:2008 certified.



Contact: **Eng. Henry J. Chacky** BSc.(Hons) Civil, Cons. Eng, MIET, M. Cons. E (T)
Director: Structures and Bridges Department
Interconsult Ltd.
P.O. Box 423, Dar es Salaam, Tanzania
Tel: +255 (22) 2772424/2772477
Cell: +255 (0) 754 292 771
Fax: +255 (22) 2774070
Email: struc@interconsult-tz.com
Website: www.interconsult-tz.com