

STRUCTURES



NAKO
ILISO

ABOUT US

ILISO Consulting (Pty) Ltd now trading as NAKO ILISO is an African Consulting Engineering and Project Management firm that specialises in engineering, environmental and project management services.

Established in 1995, NAKO ILISO is widely recognised as one of the most professionally managed consulting engineering firms in Africa today, with a team of directors and senior executives who are experts in their chosen fields. Each member of this formidable team offers a range of combined experience in their areas of specialty. In addition, NAKO ILISO has over 250 highly competent technical and support staff, all working together to deliver sustainable high quality assets that not only meet but also exceed client expectations.

With an enviable portfolio of award-winning projects, NAKO ILISO is fully established in South Africa (all the major centres), Namibia (Windhoek), Uganda (Kampala) and Zambia (Lusaka). Furthermore, it undertakes projects beyond these borders in collaboration with strategic partners located in various countries, including: Botswana, Nigeria, Lesotho and Mauritius.

With its strategically located offices and with the practical application of science and engineering principles that include the appropriate use of technology, NAKO ILISO continues to advance on its successes by building value for its clients through the successful planning, implementation and management of landmark and community based projects.

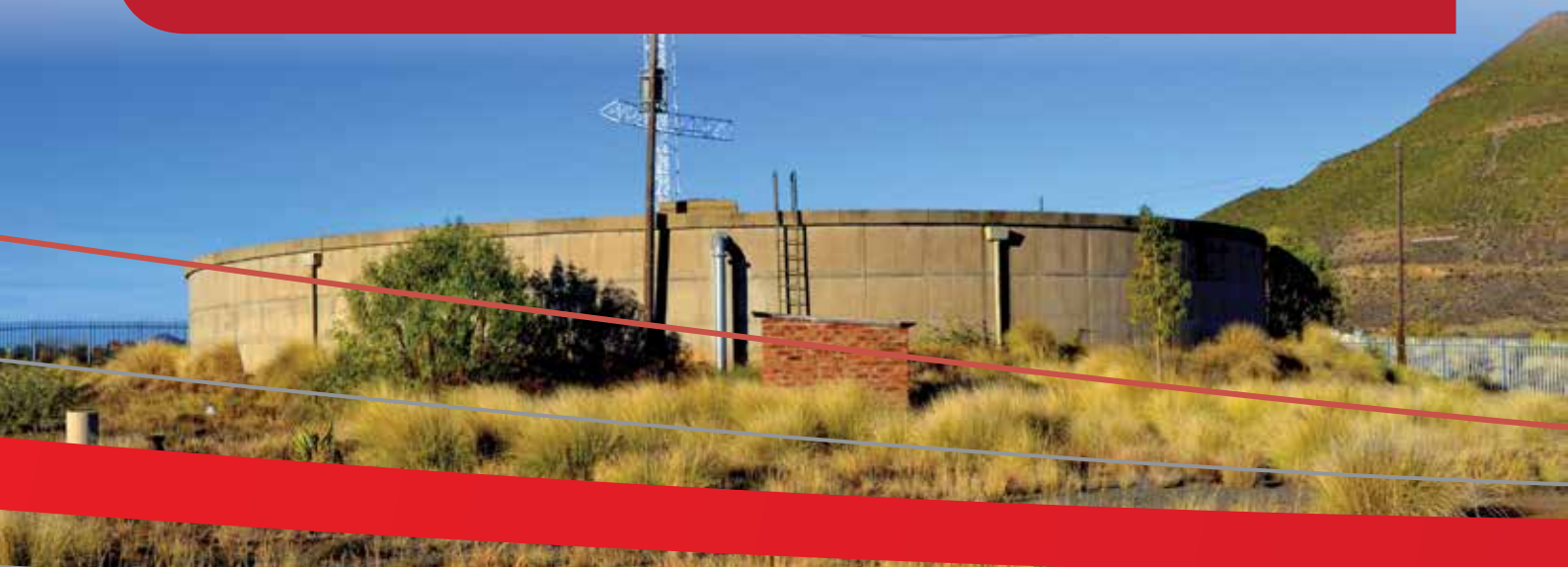
Thanks to a clear vision, a commitment to living its values and above all, its outstanding people, the reputation associated with the NAKO ILISO name is that of integrity, innovation, quality and service excellence.

STRUCTURES DISCIPLINE GROUP

NAKO ILISO has over the past 20 years built up a Structures Discipline Group with an enviable reputation and skills competency.

With a portfolio of projects, which ranges from airport terminals and world-cup stadia, to schools and commercial buildings, NAKO ILISO is well placed to provide a unique product offering with tried-and tested solutions.

Apart from its practical and theoretical knowledge NAKO ILISO uses the latest structural modelling techniques and software packages to provide expert structural engineering advice in the built infrastructure environment.



PROJECT PORTFOLIO

1. COMMERCIAL

NAKO ILISO has a complete understanding of the commercial pressures associated with private developments and has successfully been involved in the following commercial projects:

CASINOS

NAKO ILISO was involved in the successful completion of Sun International's Boardwalk Casino in Port Elizabeth. This was one of the first casinos built in the country.



SHOPPING CENTRES

NAKO ILISO's expertise in shopping centers resulted in the successful completion of extensions and alterations to the Hemmingways Mall in East London. NAKO ILISO has also been involved in numerous new shopping centres around the country, including: Festival Mall in Kempton Park, Benmore Gardens in Sandton, Trade Route Mall in Johannesburg, Galleria Arbour Town in Durban, Preller Walk in Bloemfontein and Cresta in Johannesburg.



OFFICES

NAKO ILISO was involved in the construction of the landmark headquarters of First National Bank and Wesbank. This project consisted of a concrete frame structure with long span prestressed flat slabs and structural steel feature facades. The building was unique in shape with various angles, curves and volume changes and with specific attention to Green building concepts.



2. EDUCATIONAL

NAKO ILISO has facilitated the successful completion of a number of primary, secondary and tertiary educational institutions. Most notably: The double-storey administration building for Fort Hare University in Bisho; the construction of multiple lecture halls at the Free State University, the Central University of Technology, the National Reference Laboratory and the upgrading of 50 schools over a 3 year period in the Free State.

3. INDUSTRIAL

WAREHOUSES

NAKO ILISO was involved in the construction of various industrial buildings in the East London industrial Development Zone (ELIDZ). These included a 7800m² Automotive warehouse, a Container Yard and its associated buildings.



4. CIVIL INFRASTRUCTURE

WATER WORKS

NAKO ILISO was responsible for the upgrading of the Nsezi Water Works from 150ML per day to 204ML per day. In addition, NAKO ILISO also successfully completed the Northern Waste Water Treatment Works. NAKO ILISO has designed various reservoirs, these include the following: 5MGL concrete reservoir in Westbank Port Alfred, 3MGL concrete reservoir in Graaf Reinette, 20ML dome roofed prestressed concrete reservoir in Richards Bay. Among the numerous elevated steel water reservoirs is the one in De Wets Dorp.



BRIDGES AND INTERCHANGES

NAKO ILISO has a specialist Bridge Unit with specific expertise in the design of road, rail and river bridges. The bridge unit has completed numerous assessments on existing structures including repairs and maintenance of these structures.

Notable projects include: the Twin Overpass Interchange Bridges at Bloemfontein Airport (82m long and 32m wide), a River Bridge over the Brickmakerskloof River in Port Elizabeth, the Chota Matola Interchange in Durban, as well as Jack Bridges under railway lines in Pretoria.

The Bridge Unit uses state-of-the-art Finite Element Method Software in the design of reinforced concrete, prestressed concrete and incrementally launched bridges.



5. RESIDENTIAL

LOW COST HOUSING PROJECTS

NAKO ILISO has been involved in a number of housing projects around the country. Some of its completed low cost housing projects include: the Matthew Goniwe Hostel redevelopment for Nelson Mandela Bay Municipality, the Uitenhage Project in the Eastern Cape, as well as the Rooidakke Housing Project in Cape Town. In addition we were also involved with structural assessments of more than 1000 RDP houses in the Free State.

APARTMENT BLOCKS

NAKO ILISO has been involved in the construction of apartment blocks as well, including: Dolphin Whispers and Dalton Hostels in Durban.

6. PUBLIC BUILDINGS

GOVERNMENT DEPARTMENTS

NAKO ILISO completed a multi-storey, multi complex building for the Department of Foreign Affairs. The building design includes extensive green building elements within its design. NAKO ILISO also designed the regional headquarters for the Department of Public Works in Bloemfontein.



AIRPORT TERMINAL

NAKO ILISO was involved in the design of the new international arrivals terminal at OR Tambo International Airport in Johannesburg. NAKO ILISO was also responsible for alterations and renovations at Cape Town International Airport, Bram Fischer International Airport and Kimberley Airport.



7. SPORTS BUILDINGS

NAKO ILISO was one of a few select, consulting engineering firms, who designed four of the world-class stadiums for the 2010 FIFA World Cup. These stadia included: the Nelson Mandela Bay Stadium, the Bloemfontein Stadium, Cape Town Stadium and the Moses Mabhida Stadium in Durban.



8. SOCIAL BUILDINGS

NAKO ILISO's involvement in social infrastructure projects includes a portfolio of award-winning buildings, including the Ubuntu Educare Building in KwaZakhele, Port Elizabeth - which went on to receive extensive local and international recognition. Other Social Buildings includes the Steve Biko Centre in King Williams Town, the Vuyisili Mini Memorial in New Brighton, Port Elizabeth, as well as various multi-purpose community centres and crèches.



9. MEDICAL BUILDINGS

NAKO ILISO has successfully completed the following medical facility buildings: The Blood Transfusion Centre in Lesotho, alteration to the Victoria Hospital in Alice, and Three Military Hospital in Bloemfontein.





A further list of projects is available on request.

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