



JOS·HANSEN



WATER AND WASTE WATER SOLUTIONS

PARTNER IN WATER AND WASTEWATER SOLUTIONS FOR A SUSTAINABLE FUTURE IN AFRICA

ABOUT US

Jos · Hansen is a leading water engineering company with its Headquarters in Nairobi, Kenya with presence in 8 Africa countries that specializes in the provision of engineered water and wastewater solutions for a clean, safe, and health environment for a sustainable society in the African continent.

We are responsible in the planning, management and development of water resources.

We have in-house design and engineering capabilities offering value engineering services for both project design and construction. We offer leading edge technology and our team has long term experience in water and wastewater management.

Faced with growing environmental challenges, each day, for more than 70 years, we have been acting in support of our clients and partners to deliver essential services that protect and improve the quality of life wherever we operate.



We offer efficient and uniquely integrated eco-friendly, economical water & wastewater treatment solutions for municipal, industrial, agricultural, and recycle & reuse treated wastewater/effluents.

United by a passion for our work as well as our inclusive culture and team spirit, we innovate to conserve water and create value from waste, in the form of recycled materials and energy. Deeply rooted in our communities, we are committed to providing people and the planet with the resources for a common future.



OUR GOAL

To Become the leading turnkey water solutions provider in Africa.

OUR VALUES



Quality



Efficiency



Innovation



Integrity



Expertise

OUR JOURNEY

The need for potable water inspired Jos Hansen to develop engineering expertise and to work as a leading partner to carry out water supply and sewage projects for capital and industrial cities.

With Our water supply and sewerage solutions within Africa, we have handled over 100 turnkey water projects in line with the customer's needs. Jos Hansen provides solutions to the water and wastewater treatment industry. We bring technical expertise, engineering excellence, project management experience and a wealth of knowledge to every project.



We understand that every project is different and each customer has different requirements and resources, we commit to meet the diverse needs of our customers.

10M+

People benefiting from sanitation services provided in Africa.

50,000+

Industrial and municipal customers serviced

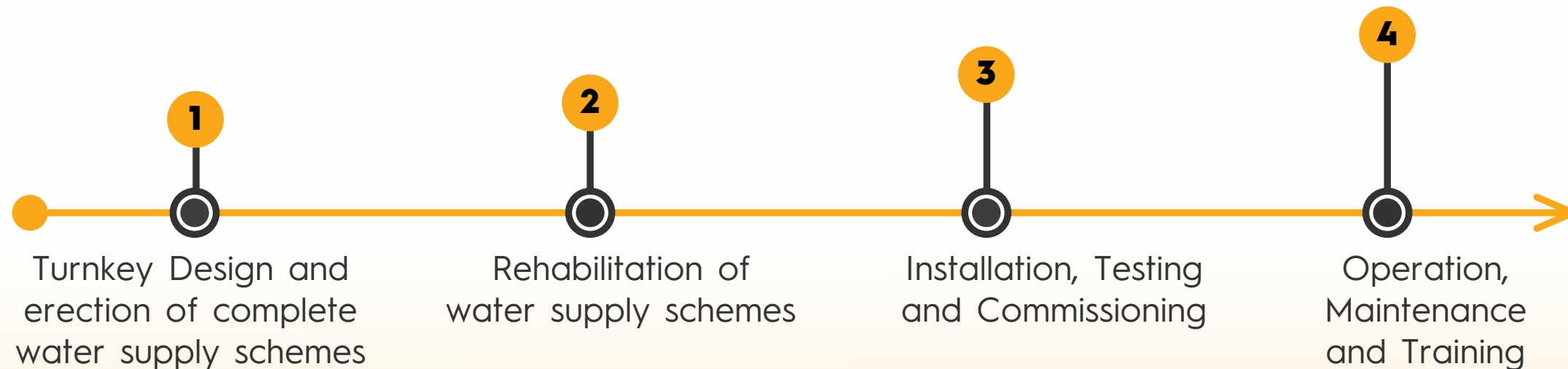
50M M³

Of water treated annually

OUR PURPOSE

The world is faced with global challenges such as climate change and the impact on resources such as water, we are committed to supporting stakeholders across the water and waste water value chains and to become a leading partner of choice to deliver quality water and waste water solutions. We are your reliable source for pumps, electric motors, switchgear, drives including service and repair. We provide outstanding service and repair that is required to maintain your plant equipment.

Our value chain for more than 40 years comprises of:



OUR SUSTAINABILITY APPROACH

We are Committed to Our People and Our Future with the aim to achieve our purpose to Bring Possibility to Life. Water is Life and a necessity to all. We embed sustainability through four pillars aligned to our corporate strategy and global goals:

Our Purpose | Our Values | Our People | Our Partnerships



SDG Focus Areas

WHY WORK WITH US

- Over 70 Years of experience and knowledge of market needs

Jos Hansen is a trusted partner with expertise in water supply and sewerage schemes. We have successfully completed projects with proven ability to design and adapt technological solutions to meet specific needs of each project. Our water engineering division has successfully completed countless projects for building capital water works in several countries of the world.

- Strategic Partnership with leading manufacturers

Jos Hansen has partnership with leading reputable manufacturers of equipment for water and sewerage plant applications. These partnerships guarantee quality and expertise to meet our customer's needs. Our customers benefit from these partnerships that combine quality and innovation.





WHY WORK WITH US

- **Turnkey Solutions**

The water project department is specialized in offering turnkey solutions including civil, electromechanical as well as treatment works. We provide 360 solutions in partnership with contractors in:

1. Feasibility Studies
2. Design Engineering
3. Engineering and Procurement
4. Design build
5. Operations and Maintenance
6. After sales service

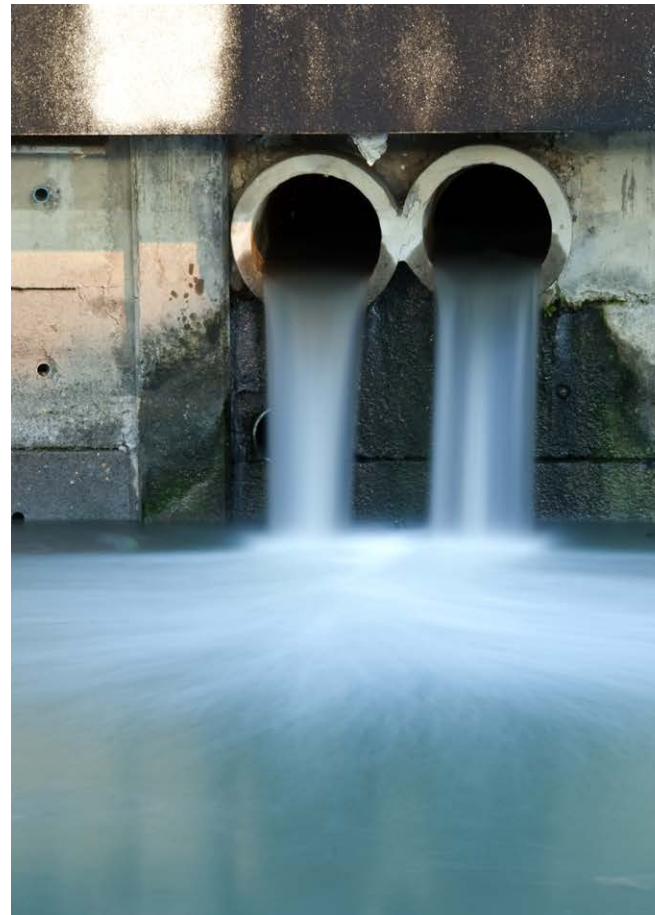
- **After Sales Service**

To establish reliable access to potable water for millions of people worldwide, projects have to be designed on a long term basis and availability of spare parts and adequate After-Sales Service. Jos Hansen with its subsidiaries in Africa guarantees technical After Sales Service with a fully-fledged Workshop and factory trained personnel.

OUR SOLUTIONS PORTFOLIO



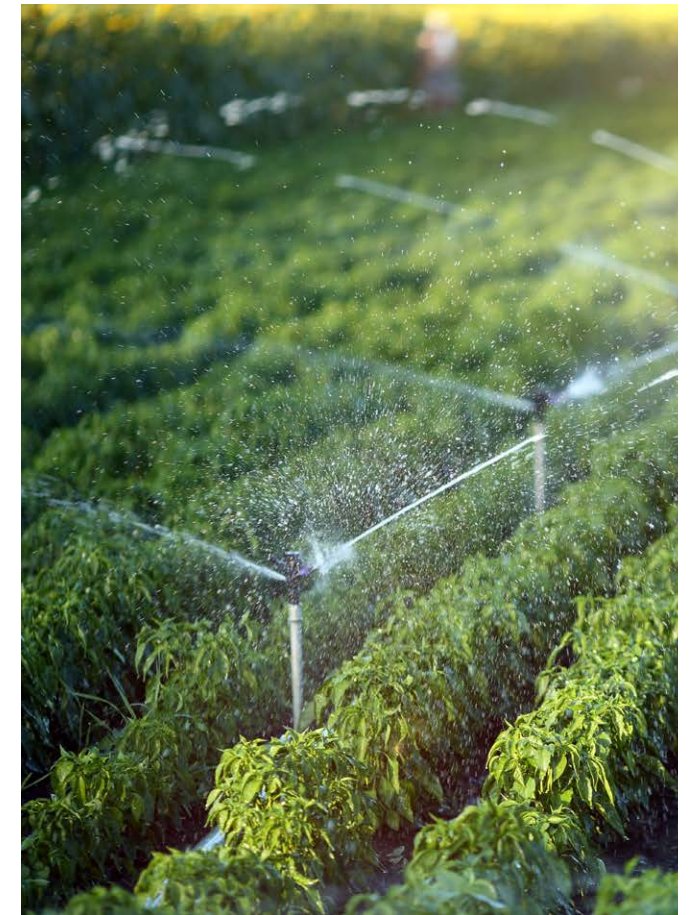
MUNICIPAL WATER
SOLUTIONS



MUNICIPAL WASTE
WATER SOLUTIONS



INDUSTRIAL WATER
SUPPLY



AGRICULTURAL WATER
SUPPLY

1. MUNICIPAL WATER SOLUTIONS

In partnership with stakeholders in the water sectors, we preserve nature's most precious resource-WATER and treat, conserve and serve million litres of pure and safe drinking water to the needs of societies in urban and rural Africa. The population growth and economic development has caused a major issue in communities in accessing clean water sources.

Jos Hansen offers electrical and mechanical solutions, products, and services of highest quality to municipal water plants. We are your sole source for pumps, electric motors, switchgear, and variable frequency drives' service and repair. We provide outstanding service and repair that is required to maintain your plant equipment.

This includes;



Water tanks and related reservoirs



Instrumentation (flow metering, level metering)



Installation of plant valves and flow control systems Pump station architecture to the needs of the plant



Supply and installation of electric motors, switchgear, and variable frequency drives

We have a dedicated Pump Repair services centre that provides service of the highest quality to support customer equipment repair needs. Not only can we provide repair services, we can provide enhanced services of reverse engineering for obsolete parts, redesigning of system components and modernization/upgrades of present equipment. We supply quality pumps and accessories which

- Centrifugal water pump
- Submersible pump
- Vertical Pump
- Split case water pump
- Electric Motors
- Switchgear and Transformers
- Variable Frequency Drives



2. MUNICIPAL WASTEWATER TREATMENT

The sanitation of wastewater treatment is key in the preservation of our environment and our sanitary conditions as well. Treatment of wastewater also preserves our biodiversity and protects our existing water resources.

We offer wastewater treatment plants that are designed according to the specific demand are built to allow easy operation and expansion. The treatment plants have been tried and tested for over 30 years and have proved to be simple and efficient. The main goal of wastewater treatment facilities is to protect humans and the ecosystem from harmful and toxic elements found in wastewater. Municipal wastewater treatment steps we undertake include coagulation, flocculation, sedimentation, filtration, and disinfection.



3. INDUSTRIAL WATER SUPPLY

Industries require large quantities of water in order to facilitate the various processes undertaken. Majority of the time water needs to be treated to ensure the water is up to standard and suitable for the processes. Jos Hansen provides efficient and dependable solutions of water for industrial uses:

Jos Hansen Environmental Solutions is one of the leading EPC in water and wastewater treatment in Africa. The demand for fresh/pure water has continued to increase at a rapid pace due to globalization, Industrial growth in Africa, Infrastructure development, increasing urbanization and the extensive economic growth in last three decades.

Jos Hansen implements the **3 R's-(Reduce, Recycle & Reuse)** when handling their industrial water processes. We provide customized solutions to industrial wastewater treatment issues, by providing advisory on techno-economic treatment in line with cost, quality, compliance and sustainability needs. Industrial Wastewater Characters varies from industry to industry and hence treatment process to be selected based on the specific characteristics of effluents and load of pollutants.

We offer our industrial wastewater solutions for Oil & Gas Industries, Metal & Mining, Pharmaceutical Industries, Pulp & Paper, Textile industries, Thermal Power Plant, Leather industry, Dairy, Distilleries, paints and dyes, detergents, Food & Beverage, etc.



4. AGRICULTURAL WATER SUPPLY

Large scale farmers require large quantities of water for irrigation and use machines and motor pumps for their farms. The irrigation solutions are tailor made to maximize irrigation coverage for efficiency purposes. The solutions are used for flower farms, tea and coffee farms to name a few. Our solutions in irrigation schemes provide up to 240million litres per day.

Jos Hansen designs water pump solutions powered using solar panel installations dedicated to optimal efficiency. Solar water pumping is based on PV technology that converts sunlight into electricity to pump water. This is a dependable system in areas with no access to power grid. Used for domestic, livestock and crop irrigation.



OUR SUCCESS STORIES

Project Name	Water and Sanitation Improvement Project - Baricho Intake Works Malindi
Country	Kenya
Client	Coast Water Works Development Agency
Date of Commencement	March 2010
Date of Completion	September 2015
Contractor	Jos Hansen & Soehne GmbH / Sogea Satom Joint Venture Jos Hansen EA Ltd (Subcontract)
Project Description	Rehabilitation of 8 No large diameter boreholes Replacement of 5No 900kW high lift pumps for Mombasa-capacity 60,000m ³ /day- 248m Replacement of 3No 250kW high lift pumps for Malindi - capacity 27,000m ³ /day Supply of new 33-3.3kV transformers and control gear 2 No -2 MVA and 1 No 5MVA Construction of new chemical building and equipping with dosing
Impact	Supplied two counties with water, approximately 1million people with 27,000m ³ /day (2 counties, how many people in the county, 50% popn, million litres being pumped)

OUR SUCCESS STORIES

Project Name	Construction of Distribution and Transmission Systems, Water Intakes, Treatment Plants, Tanks and Public Sewer
Country	Tanzania
Client	Urban Water and Sewerage Authority Iringa
Date of Commencement	June 2009
Date of Completion	December 2013
Contractor	Jos Hansen & Soehne GmbH / JR Intl. Joint Venture I Jos Hansen Tanzania (Subcontract)
Project Description	Construction of a Water Treatment Plant 198 km Distribution Network 27 km Transmission mains 2500 water house connections 11 storage tanks from 40 to 2500cbm High lift pump station, max. Capacity 1.600m ³ /hr, c/w all pipework, electrical switchgear and surge protection Construction with a station output 920 m ³ /hr 4 km Sewer 310 sewer house connections.

OUR SUCCESS STORIES

Project Name	15 Towns Water Supply and Sanitation Project Ethiopia
Country	Ethiopia
Client	Ministry of Water, Irrigation and Energy Ethiopia
Date of Commencement	March 2014
Date of Completion	December 2019
Contractor	Jos Hansen & Soehne GmbH Jos Hansen Ethiopia (Subcontract)
Project Description	Design Supply and Installation of Borehole Pumps, Diesel generator, Booster Pumps, Water Treatment plants, Transformers for 15 towns in Ethiopia.

OUR SUCCESS STORIES

Project Name	Nairobi City Water Distribution Network Modifications Project Construction of The Western Transmission Pipeline (Kabete - Uthiru - Karen)
Country	Kenya
Client	Athi Water Works Development Agency
Date of Commencement	December 2018
Date of Completion	December 2021
Contractor	Zhongmei Engineering Jos Hansen EA Ltd (Subcontract)
Project Description	<p>Subcontract Component</p> <p>Upgrade pumping capacity of the Kabete pumping station from 26,000m³ /day to 72,000m³ /day through supply and installation of 3 pumpsets to deliver 1000m³/hr.</p> <p>Supply and Installation of 2.5MVA transformer and associated switchgear.</p> <p>Design and Installation of a surge suppression system for the DN900 rising main.</p>

OUR SUCCESS STORIES

Project Name	Tulu Moye Geothermal Water Supply System
Country	Ethiopia
Client	TM Geothermal Operations Plc.
Date of Commencement	February 2019
Date of Completion	December 2021
Contractor	Jos Hansen EA Ltd & Jos Hansen Ethiopia Joint Venture
Project Description	Construction of a booster station with an output of 4,800m ³ /day including a 400kVA Diesel Generator power source. Construction of 2 x 500m ³ water reservoirs Equipping of 5No. 600m high yield boreholes.

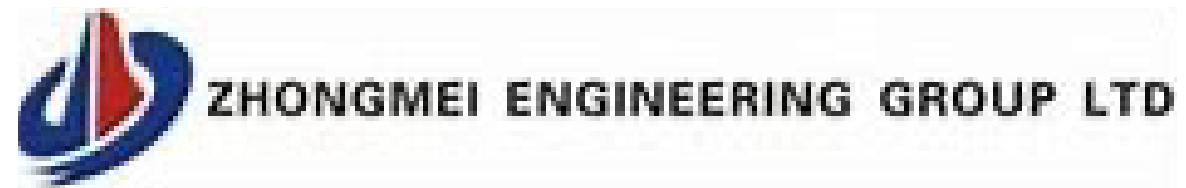
OUR SUCCESS STORIES

Project Name	Lake Victoria North Water Services Board Vihiga Cluster Water Supply Project
Country	Kenya
Client	Lake Victoria North Water Works Development Agency
Date of Commencement	June 2018
Date of Completion	May 2020
Contractor	CMI Environment I Jos Hansen EA Ltd (Subcontract)
Project Description	Subcontractor for Pipeline Installation and System Testing Works done as a subcontractor to CMI Environment for the installation of approx. 35km of pipelines of various sizes (DN90 – DN450) and materials (HDPE, DCI, Steel) as well as the testing of the resultant pipework network in Maseno, Vihiga and Kaimosi clusters.

OUR PARTNERS



OUR CLIENTS



OUR OFFICES IN AFRICA

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GHANA



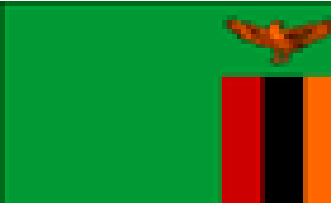
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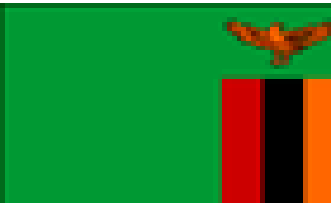
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