

# TALBOT *The Art of Water*





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# BACKGROUND

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Established in 1989, **Talbot** offers expertise in the provision of sustainable water and wastewater solutions across Africa, while our collective experience provides our clients with the assurance of insight, innovation and quality.

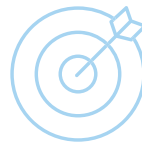
Our strong multidisciplinary team of professionals endeavors to provide solutions to water resource management needs and challenges, from understanding water-related risks and ensuring optimal supply to maximising performance efficiencies, reducing effluent discharge and ensuring environmental compliance.

Four complementary business units are integrated within **Talbot** to deliver a range of solutions in the water, wastewater and associated environmental fields. We provide significant benefit by integrating theoretical design and process knowledge with practical insight gained from hands-on experience. We are committed to providing sustainable solutions to address the challenges in the water and wastewater management industry. Furthermore, we aim to improve operational performance while driving down our clients' associated production costs.



## 1. VISION

We see our business being the leading provider of sustainable water and wastewater solutions across the African continent.



## 2. AIM

We hope to provide sustainable solutions to water and wastewater challenges, while improving our client's operational performance and reducing production costs.



## 3. EXPERTISE

By integrating expertise from our engineers, scientists and technicians, we are able to deliver a range of innovative, yet robust solutions in the water, wastewater and associated environmental and analytical fields.



## 4. EXPERIENCE

Over thirty years' experience enabling delivery in excess of 300 projects in more than 20 countries in Africa, Australia and Eastern Europe.

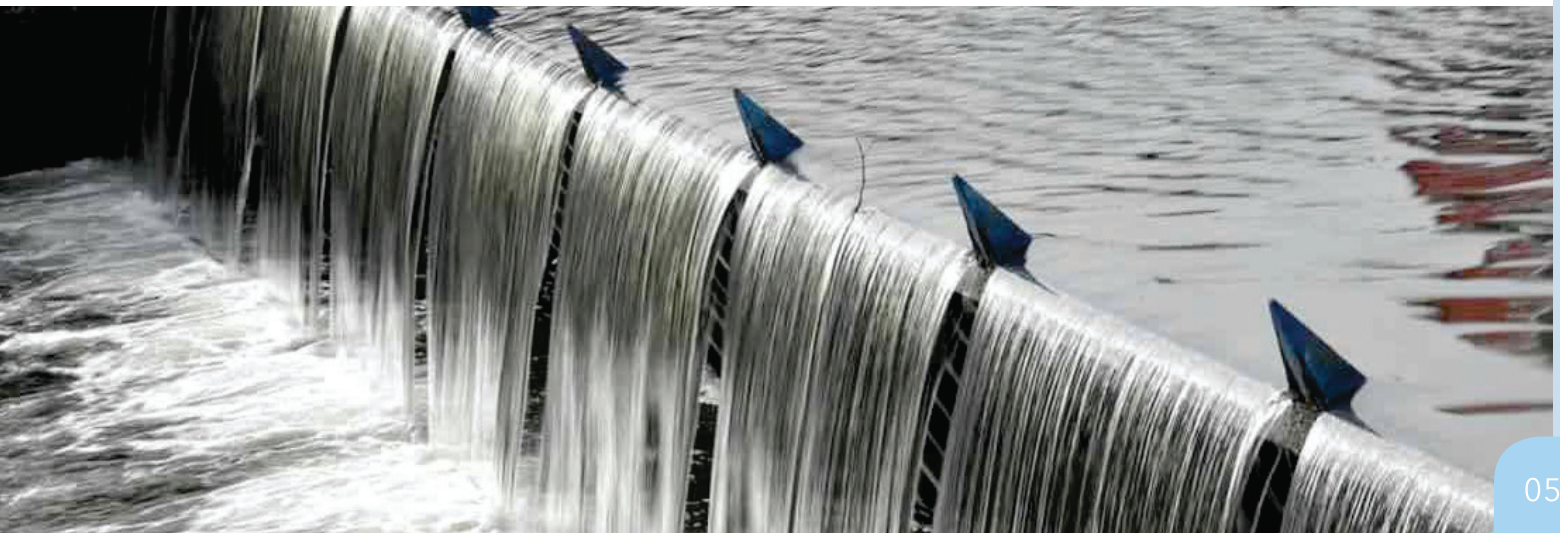
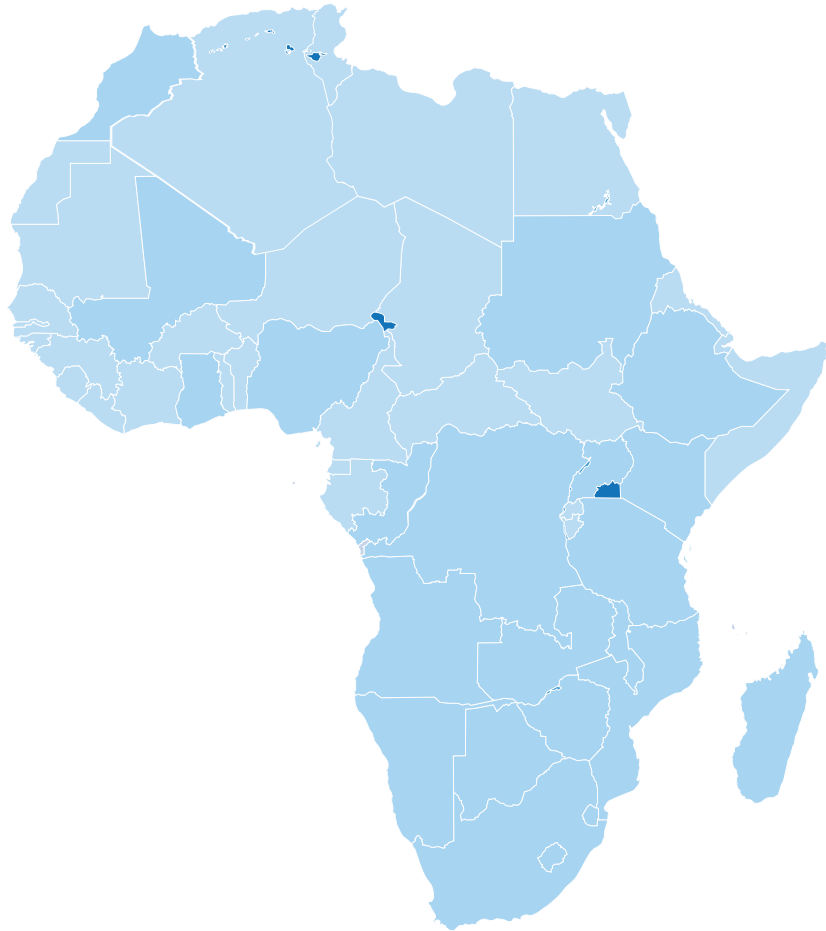
# EXPERIENCE

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Working with clients across the African continent, we have built up a world-class brand that puts us at the forefront of the water, wastewater and environmental monitoring sector. **Talbot's** experience in the design, construction, operation and monitoring of industrial water and wastewater treatment plants has enabled the delivery of over 300 projects across more than 20 countries.

## OUR AFRICAN FOOTPRINT

- Angola
- Botswana
- Congo
- Ethiopia
- Ghana
- Kenya
- Lesotho
- Madagascar
- Malawi
- Mali
- Mauritius
- Morocco
- Mozambique
- Namibia
- Nigeria
- South Africa
- Sudan
- Swaziland
- Tanzania
- Uganda
- Zambia
- Zimbabwe



# EXPERTISE

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## 1. CONSULTING

Consulting provides strategic water risk advice to clients who realise that the ever-increasing pressure on regional water resources may have an impact on their business and the fact that the availability of water is their license to operate.

Consulting advises on exposure to **water risk** through integrating the implications of factors like **climate change, increased water demand, reduced water supply and infrastructure failure** on security of supply for significant water users.

The water strategies developed by consulting are tailored to each client's requirements, founded on a constant set of principles. These include:

- Reducing the impact of internal and supply chain water supply issues in operations.
- Optimising water and wastewater-related operational and capital expenditure across the organisation.
- Managing stakeholder requirements and ensuring legal compliance.

Developing a water strategy is a multiphase process which interrogates onsite water management as well as broader regional drivers, including regulatory, financial, water supply and stakeholder pressures. These regional drivers are evaluated within context in order to inform the water strategy.

Strategies are accompanied by a step-by-step plan, to ensure seamless implementation.



## 2. PROJECTS

In addition to our consulting, feasibility design and project management solutions, our Projects Team designs and builds turnkey water and wastewater treatment and **associated water and energy recovery facilities** for blue chip clients across the African continent.

Our **strategic alignment with key clients** allows us to support them in a diverse range of locations providing appropriate advice and design through to the turnkey construction of water and wastewater treatment plants.

Our team of engineers and scientists has the technical, chemical and process knowledge, along with years of relevant experience, to provide:

- Chemical and water mass balances support.
- Water consumption optimisation advice.
- Guidance on process performance enhancement.
- Water and wastewater treatment options from concept through to detailed design and turnkey installation.

We have differentiated ourselves in the industrial space with an enhanced specialist knowledge of multiple treatment processes and technologies in a range of sectors, including industrial, food and beverage, mining, agro-processing, petrochemical and municipal sectors.



### 3. OPERATIONS

Our Operations Team takes total responsibility for the **management, performance, operation and maintenance** of water and wastewater treatment plants and associated utilities to ensure our clients' focus remains on their business-critical activities.

Our services include:

- Plant operations and maintenance where we provide a full-outsourced service and take total accountability for the performance of the plant that we are operating and provide all technical, mechanical and process input, supply all site staff and associated management, carry out maintenance on all relevant plant and equipment, and manage chemical supply and waste disposal. Where clients employ their own teams, we are able to provide daily supervision of the site staff to ensure that the plant is operating at optimal performance.
- Refurbishment and maintenance by a dedicated team who specialise in identifying necessary maintenance, upgrades, and refurbishment requirements at wastewater treatment sites.
- Consulting and auditing which encompasses implementing process audits and problem solving to identify optimisation opportunities and offer bespoke solutions to identified problems and inefficiencies.



## 4. LABORATORIES

Our laboratory provides a range of **environmental, chemical and microbiological** analyses on various sample matrices to a diverse customer pool. Our laboratory is SANAS accredited and is complemented by offices in the Eastern Cape and Gauteng regions.

Satellite laboratories and sample depots also offer the convenience of easy access for our clients. In addition, sample kits are tailor-made to customer requirements and add to our service convenience offering.

Our services include:

- Organic, inorganic and microbiological analysis of water, wastewater, soils, sediments, solid waste and other matrices.
- Specialised analyses including blue drop, green drop and SANS 241 potability testing of various types of water.
- Soils, sludge, waste assessments and classifications.
- Analysis for contaminated land assessments.
- Specialised microbiological analyses - microscopy, swabs and hygiene analyses.
- Specialist marine analyses - seawater and sediments.



# WATER & WASTEWATER SOLUTIONS

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Our approach to delivering best value for our clients is to ensure that we develop bespoke solutions that address our clients' specific challenges whilst supporting their longer-term strategic drivers.

As such, **Talbot** is not bound by specific technologies, but rather will identify and propose the most suitable and robust solution for any particular situation. We have developed a broad range of in-depth knowledge and experience across several **water, water recovery, waste water and energy recovery** technologies.

## REFERENCES

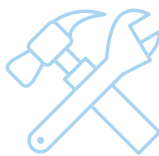
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30

PLUS YEARS'  
EXPERIENCE



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300

PLUS  
PROJECTS



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20

PLUS AFRICAN  
COUNTRIES

**Talbot** has over thirty years' experience in the design, construction and operation of industrial water and wastewater treatment plants.

With the technical expertise across our four integrated business units we have experience enabling delivery in excess of 300 projects in more than 20 countries in Africa, Australia and Eastern Europe. Our clients include:

- Anglo American plc
- Anheuser-Busch InBev N.V.
- Dept. of Water and Sanitation (DWS)
- Diageo PLC
- Distell (Pty) Ltd
- Dube TradePort
- Eskom
- Heineken N.V.
- Hulamin Ltd
- Huntsman Corporation
- Illovo Sugar Proprietary Limited
- Nestle S.A.
- Sembcorp Siza Water [Pty] Ltd
- The Coca-Cola Company
- Tongaat Hulett Group Ltd



# LOCATIONS

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## PIETERMARITZBURG

20 Pentrich Road,  
Pietermaritzburg

## PORT ELIZABETH

219 Cape Road,  
Port Elizabeth

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