



E-SQUARE ENGINEERING

Specialists in Civil, Structural & Electrical Engineering with expertise in Design & Project Management of Infrastructure Projects.

www.esquareeng.com
info@esquareeng.com



OUR ORGANIZATION

E-Square Holdings, incorporated in 2003, with a vision of becoming a "prominent Engineering, Procurement, Construction (EPC) Enterprise, with a growing influence in the African Markets".

E-Square Engineering (Pty) Ltd is the project management arm of E-square Holdings and is a South African registered company specialising in civil, structural and electrical engineering and has been active in Sub-Saharan Africa for over 20 years.

E-Square provides quality and expert knowledge in engineering professional services that satisfies the needs of its customers. It has carved its own niche in the field of Electrical Engineering, Civil, Structural and Project Management disciplines.



E-Square Holdings Group



www.esquareholdings.com

Engineering



- > Consulting and advisory.
- > Project & Program Management
- > Specialist Engineering Services

Procurement



- > Asset holding Company for plant & equipment.
- > Logistical Support
- > Construction Material Supply

Construction



- > Construction & Implementation
 - > Electricity value chain
 - > Housing
 - > Civil
 - > Telecoms

Energy



- > Consulting and advisory services
- > Implementation
 - > Energy audits
 - > Sales & supply of equipment
 - > PV systems installations
 - > Gas systems installations
 - > Operations & maintenance

OUR ORGANIZATION

E-Square provides quality and expert knowledge in engineering professional services that satisfies the needs of its customers. It has carved its own niche in the field of Electrical Engineering, Civil, Structural and Project Management disciplines.

E-Square provides quality and expert knowledge in engineering professional services that satisfies the needs of its customers. E-Square Engineering has carved its own niche in the field of Electrical Engineering, Civil, Structural and Project Management disciplines.



Project Management



- Feasibility.
- Project Financial Management.
- Procurement Strategy.
- Project Management Unit.
- Stakeholder Management.
- Quality Systems.
- Contract administration and management.
- Project Scheduling.

Civil Engineering



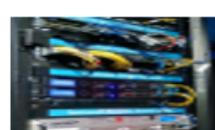
- Water Treatment & Reticulation.
- Wastewater Treatment.
- Roads and Stormwater.
- Solid Waste Treatment for Public & Private clients.
- Earth Works and Platform Design.
- Geotechnical Investigations and Foundation Design.

Electrical Engineering



- Powerline Profiling.
- Primary & Secondary Plant Designs.
- Building Services.
- Electrification Designs.
- Network Planning Services.
- Control Plant Designs.
- Electrification Design.
- Network Planning.
- Control Plant Designs.

Telecoms



- Engineering.
- Project Management.
- Installation.
- Commissioning, Integration, and Configuration.

Structural Engineering



- Commercial High Rise Building for offices & retail structures.
- Residential Buildings.
- Industrial Buildings.
- Heavy Industrial & Mining Structures.
- Water Retaining & Civil Engineering Structures.
- Design Reinforced, Prestressed & Precast structures.
- Masonry

WHAT WE DO

E-Square Engineering possesses the skills and experience in the provision of water and sewer infrastructure.



Our Services

01

WATER TREATMENT & RETICULATION:

- Raw Water source characterisation.
- Water treatment and supply.
- Pumping plant.
- Potable water storage.
- Potable water reticulation systems.
- Operation, Maintenance and Training.

02

WASTE WATER TREATMENT:

- Process selection and optimisation.
- Feasibility studies,
- Hydraulic design.
- Compliance assessment, monitoring and reporting.
- Geometric plant layout.
- Civil and mechanical specifications.
- Commissioning,
- Process Auditing.
- Operation, Maintenance and Training.

Project Experience

E-Square has worked closely with governments, private sectors, Non-Governmental Organisations (NGOs) and national organisations around the world on a wide range of infrastructure projects. Our experience of different contexts with different challenges, resources and objectives gives us a rich source of information about what works and what doesn't work in different situations and circumstances.

This experience, gained over many years working with clients in different contexts and on different types of engagements, informs our key principles.

**"We will always
provide solutions
that unlock
potential"**



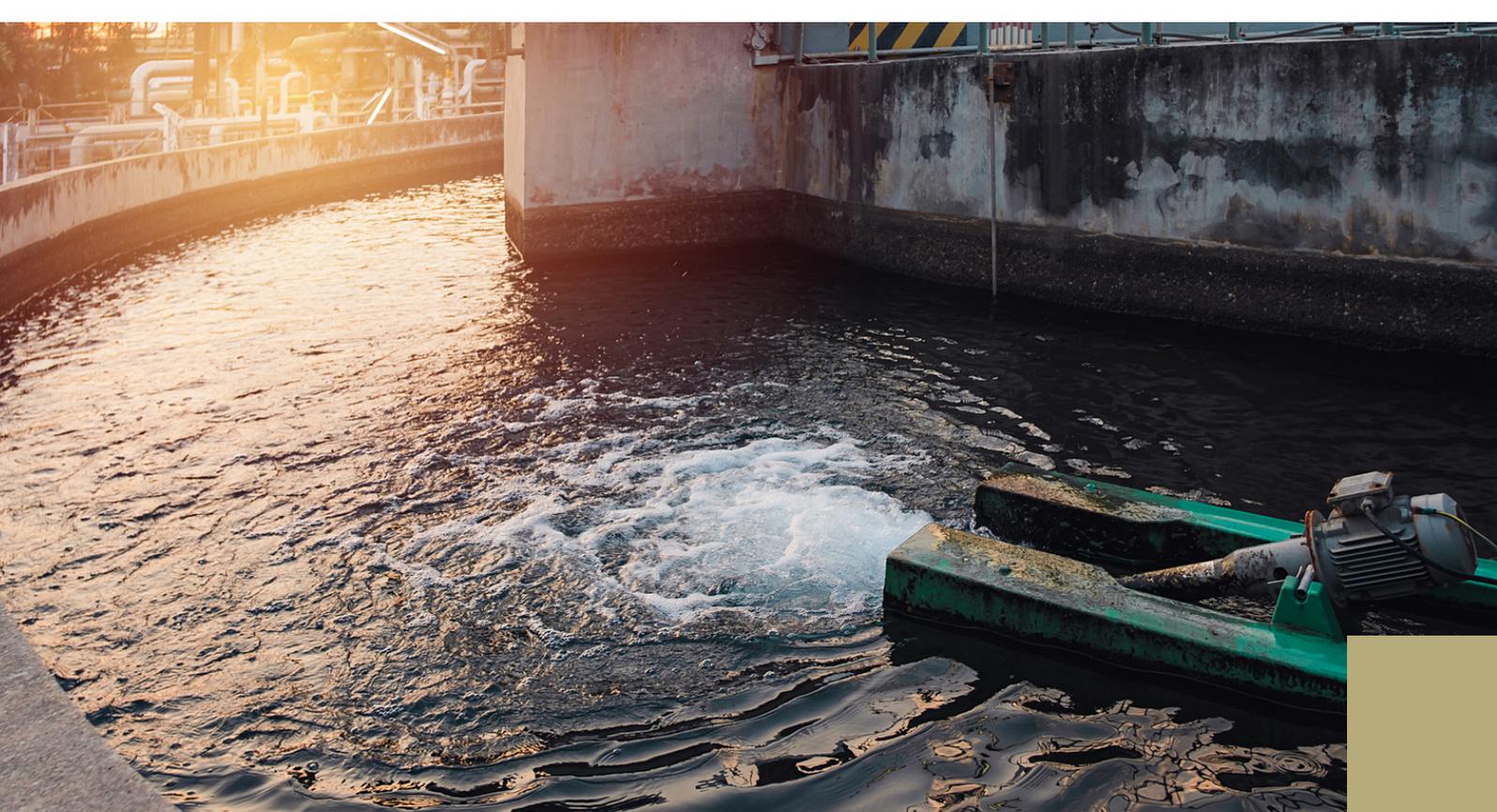
Project Experience

PROJECT CATEGORY	PROJECT NAME	PROJECT VALUE ®	YEAR STARTED	EXPECTED COMPLETION
Water Supply, Sewer and Water Treatment Projects	Refurbishment of Davel wastewater treatment works; design and construct	R 10 450 000,00	May-20	Nov-21
Water Supply, Sewer and Water Treatment Projects	Mashakane Waste Water Treatment Plant	R 7 000 000,00	2016	2019
Treatment Projects				
Waste Management	Delmas Phase 2 Landfill Site Development – Implementation Stage	R 54 000 000,00	2018	2021
Waste Management	PikiTup Landfill Sites	R 7 600 000,00	2012	2015
Waste Management	PikiTup Disposal Cells and Contaminated Water Management	R 15 000 000,00	2012	2015
Water Supply, Sewer and Water Treatment Projects	Development of the 2 nd phase of the delmas municipality solid waste landfill site	R 950 000,00	2018	2019
Water Supply, Sewer and Water Treatment Projects	Sanitation Reticulation System Botleng Extension 7 Phase III	R 8 500 000,00	2016	2017
Waste Management	Delmas Phase 2 Landfill Site Development	R 540 000 000,00	2012	2017
Water Supply, Sewer and Water Treatment Projects	Randwater Vereeniging 250ML/d Sedimentation & Flocculation Tanks	R 200 000 000,00	2016	2018
Waste Management	Development of a New Landfill Site for Transnet Engineering at Koedoespoort Centre	R 200 000 000,00	2014	2016
Water Supply, Sewer and Water Treatment Projects	Sanitation Reticulation System Botleng Extension 7 Phase II	R 7 500 000,00	2014	2016
Water Supply, Sewer and Water Treatment Projects	Sanitation Reticulation System Botleng Extension 7 Phase 1	R 1 000 000,00	2016	2016
Waste Management	Weltevreden Landfill Site Leachate & Stormwater	R 10 500 000,00	2013	2015



Project Experience

PROJECT CATEGORY	PROJECT NAME	PROJECT VALUE [®]	YEAR STARTED	EXPECTED COMPLETION
Water Supply, Sewer and Water Treatment Projects	Rust de Winter Water Treatment Plant	R 176 000 000,00	2012	2013
Water Supply, Sewer and Water Treatment Projects	Feasibility Study Water Abstraction-Moses River	R 2 000 000,00	2012	2013
Water Supply, Sewer and Water Treatment Projects	Maviljan Waste Water Treatment Plant	R 50 000 000,00	2009	2013
Water Supply, Sewer and Water Treatment Projects	INF-508/09/10: Upgrading of Desmond Sewer	R 3 000 000,00	2009	2011
Water Supply, Sewer and Water Treatment Projects	Upgrading of Dullstroom Water Treatment Works – NDM – ELM 2107/09	R 2 500 000,00	2008	2010



An aerial photograph of a wastewater treatment plant. The image shows several large circular aeration tanks with metal grates on top. A long, rectangular white building with a blue base is situated between the tanks. The surrounding area is grassy with some trees in the background. The image is partially covered by a dark teal triangle in the top-left corner and a light olive green triangle in the bottom-left corner.

Thank You!

**Let's Get
In Touch**

Contact Us

info@esquareeng.com

Visit Our Website

www.esquareeng.co.za