



AQUANNOVA
WATER MANAGEMENT & ENERGY SOLUTIONS

Aquannova

**Water Management
Solutions**

**Business Funding
Proposal 2026**



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WATER MANAGEMENT & ENERGY SOLUTIONS



About Us

We have many years of experience in drilling and bring highly trained staff and quality machinery to your property. Our main aim is to provide both domestic and commercial customers with a professional service.

We offer our customers a one-stop-shop solution from water backup, rainwater harvesting to borehole drilling, pump installation, water purification & products sales. Our equipment is unique in that we can access smaller areas and reduce damage to properties.

The safety of our team and clients is of paramount importance when we are drilling. We have safety protocols in place and comply on all levels with the Occupational Health and Safety Act and its regulations.

Date: 13 January 2026

To: Estate Boards, Complex Committees, Property Developers and Office
Park Management Teams

Subject: Proposal for Turnkey Ground & Backup Water Solutions in Gauteng

Dear Board Members,

South Africa's water challenges have reached a critical point, with Gauteng experiencing repeated outages due to aging infrastructure, illegal connections, and supply shortfalls. The December 2025 to February 2026 water outages in Midrand and surrounding areas underscored the vulnerability of estates, complexes, and office parks that rely solely on municipal supply.

Aquannova Water Management is proud to present a comprehensive proposal offering turnkey borehole drilling, installation, purification, municipal water backup systems, rainwater harvesting, and maintenance services. Our solutions ensure water independence, compliance with all legal requirements, and resilience against future disruptions.

Key highlights of our proposal include:

1. Full compliance with geophysical surveys, borehole drilling permits, borehole registration, and environmental regulations.
2. Advanced installation, monitoring, and purification systems delivering safe, potable water.
3. State of the art municipal water backup and rainwater harvesting systems with filtration system.
4. Flexible financing models with 20% upfront deposit and total balance project cost covered through structured monthly payments (24,36 or 48 months)
5. Strategic benefits including long-term cost stability and savings, sustainability, and protection against outages.

We believe this proposal represents not only a technical solution but also a strategic investment in long-term water security for Gauteng's residential and commercial communities, therefore invite you to review the enclosed proposal and annexures, which provide detailed cost breakdowns, compliance frameworks, and government-backed evidence of the urgent need for private-sector solutions.

Thank you for considering Aquannova Water Management as your partner in securing a sustainable water future. We look forward to engaging with you further and implementing this solution for your community.

Sincerely,

Aquannova Water Management

Executive Summary

Aquannova Water Management presents a turnkey groundwater solution tailored to residential estates, complexes, apartments, student accommodations, property developments, office parks & businesses, as well as commercial and industrial sectors in Gauteng.

This proposal addresses South Africa's pressing water challenges caused by aging government infrastructure, supply shortfalls, and illegal connections. By offering borehole drilling, installations, purification, water backup systems, rainwater harvesting, and maintenance services, Aquannova ensures sustainable, compliant, and financially accessible water independence.

Context & Problem Statement

Aging infrastructure:

Government pipelines are deteriorating, leading to frequent leaks and water losses.

Supply shortfalls:

Rand Water struggles to meet demand, especially in Gauteng's rapidly growing urban centres.

Illegal connections:

Significant water losses occur through unauthorized connections.

Recent outages:

Midrand and surrounding areas experienced outages lasting over six days in December 2025, highlighting the urgency of alternative solutions.

Proposed Solution

Aquannova delivers a comprehensive, legally compliant groundwater, backup, and rainwater harvesting systems.

Hydrogeological Survey & Feasibility Study:

Assess water table depth, yield, and site suitability.

Legal Compliance & Permits:

Borehole registration, water use licensing under the National Water Act, and environmental impact assessments.

Drilling & Installation:

Professional borehole drilling, casing, and pump installation.

Filtration & Purification Systems:

Multi-stage filtration (sand, glass, carbon, UV) and reverse osmosis for potable water.

Maintenance & Monitoring:

Scheduled servicing, water quality testing, and emergency support.

Integration:

Seamless connection to premises' reticulation systems.

Compliance & Legal Framework

Municipal registration:

Boreholes must be registered with Johannesburg Water and local councils.

Permits:

Hydro-geological studies and environmental approvals are mandatory.

Law enforcement:

Non-compliance risks fines and borehole closure.

Transparency:

Aquannova manages all paperwork, ensuring full compliance.

Cost Breakdown (Per Borehole Project)

Component and Estimated Cost (ZAR)

Hydro-geological survey & permits

R45,000 – R65,000

Borehole drilling (60–100m)

R90,000 – R130,000

Pump, Pipes, Tanks & casing installation R70,000 – R180,000

Filtration & purification system

R85,000 – R210,000

Electrical & plumbing integration

R35,000 – R70,000

Compliance & registration fees

R15,000 – R35,000

Maintenance (annual contract)

R25,000 – R40,000

Total Estimated Project Cost: R365,000 – R730,000

Financing Model

Deposit: Clients pay 20% upfront.

Aquannova Financing: Remaining 80% covered by Aquannova

Repayment Options:

Example (R400,000 project):

Deposit: R80,000 Client's Upfront Payment

Balance financed By Aquannova: R320,000

24-month plan: ±R/month @ 10.25% interest rate

36-month plan: ±R/month @ 10.25% interest rate

48-month plan: ±R/month @ 10.25% interest rate

60-month plan: ±R/month @ 10.25% interest rate

Strategic Benefits

Water independence:

Reliable supply for estates and office parks.

Cost savings:

Reduced reliance on municipal tariffs.

Resilience:

Protection against outages like Midrand's December 2025 crisis.

Sustainability:

Purification ensures safe, potable water.

Compliance:

Legal assurance against penalties.

Annexures

Annexure A:

Case Study: Midrand Water Outages (December 2025-February 2026 At Least)

Outages lasted over six days in Midrand, leaving households and businesses without reliable water supply.

Planned maintenance at Rand Water's Zuikerbosch and Eikenhof water stations created severe strain on Johannesburg's system.

Midrand was the hardest-hit area due to its size and infrastructure complexity.

Residents staged protests at Johannesburg Water's Noordwyk depot, citing frustration and distrust over repeated outages.

Key Insight:

Estates and businesses/office parks cannot rely solely on municipal supply. Borehole and Backup systems provide resilience against prolonged outages.

Annexure B:

Government Reports on Water Infrastructure

Water & Sanitation Indaba (March 2025, Midrand):

Highlighted water security risks due to aging infrastructure, illegal connections, and climate change. Emphasized the need for private-sector partnerships.

National Treasury Budget Review (May 2025):

Stressed reforms to mobilize private financing for infrastructure and improve PPP frameworks.

Raw Water Security Report (2025):

Gauteng faces localized deficits due to high demand, non-revenue water losses, and delays in major projects.

Key Insight:

Government acknowledges its inability to meet demand alone, creating space for private turnkey solutions like Aquanova.

Annexure C:

Borehole Compliance & Legal Requirements

National Water Act (Act 36 of 1998):

Water is a national resource; borehole use must be registered.

Permits & Registration:

Boreholes require municipal registration and water use licensing. Environmental impact assessments are mandatory for large-scale projects.

Enforcement:

Non-compliance risks fines, borehole closure, and legal action.

Key Insight:

Aquannova's turnkey service ensures clients remain fully compliant, avoiding costly penalties.

Financing Framework

Deposit: 20% upfront.

Aquannova Financing: Remaining 80% covered by Aquannova.

Repayment: 24-month plan ($\pm R/\text{month}$) or 48-month plan ($\pm R/\text{month}$).

Key Insight:

Flexible financing makes borehole projects accessible to estates and office parks, while ensuring Aquannova's cost recovery.

Conclusion

These annexures provide real-world evidence, government validation, and compliance clarity to reinforce the proposal. Aquannova's turnkey solution is technically sound, strategically aligned with national priorities, and urgently needed in Gauteng.



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Thank You

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