



## Die Boer

Andre Cloete, 'n bekroonde Tru-Cape-Produsent in die Wes-Kaap se Overbergstreek, verbou appels en pere hoofsaaklik vir die uitvoermark.

Met Andre se toewyding en passie het Klein Ezeljacht Plaas, geleë op die oewer van die Riviersondereindrivier en aanvanklik 21ha vrugte, uitgebrei tot 54ha oor 15 jaar en sluit ander landboubelange in, insluitend skape, graan en beeste.



## Sy Oplossing

Om die besigheid se kragonderbrekings probleme en die finansiële uitdagings van tradisionele damme die hoof te bied, het Andre, in vennootskap met Hortgro en die Wes-Kaapse Departement van Landbou, gekies om SBS Group se reservoirs in sy omskakelaar swartekrag/gepompte besproeiingsstelsel in te sluit. Die anti-korrosiewe tenkmuur met blaas-gevoerde ontwerp het die behoefte aan 'n OIB verwyder, en die logistiek-vriendelike platverpakkingstenkmateriaal het vinniger toegang tot terreine en beweging van materiaal vergemaklik. Die modulêre tenkplaasontwerp en minimale fondasiewerkvereistes maak voorsiening vir die beweging en herbou van tenks om Andre se geprojekteerde groeiplanne te akkommodeer en verseker besigheidskontinuiteit tydens retikulasie-instandhouding en pompsdiens.

'n Geskaalde ontplooiing is geïmplementeer met Fase 1 wat 3 x 500kl tenke insluit. Fase 2 bestaande uit 2 x 750kl tenke is onlangs voltooi met 'n derde fase van dieselfde geskeduleer vir 2025. Fase 4, bestaande uit 'n grondgemonteerde PV en rugsteuninstallasie sal die pompe aandryf en Eskom-afhanklikheid verwyder.

## Sy Uitdagings

Andre het probleme ondervind met voortdurende onderbreking van elektrisiteit en beurtkrag wat die besproeiing van sy diverse gewasportefeulje krities beïnvloed het. Om hierdie kwessies te versag, het hy gekies om wateropgaarreservoirs te bou. Tradisionele grond- en betondamme veroorsaak egter die Omgewingsimpakbepalingsvereiste wat tot langdurige goedkeuringsprosesse lei, professionele fooie aangaan en tydgebaseerde eskalاسie op konstruksiemateriaal ophoop.

Uitgebreide slooping in die harde rots-agtige grondtoestande sou nodig wees en 'n na-opberging behandelingsaanleg sou geïnstalleer moet word, wat drukverlies bewerkstellig. **Die 115% instandhouding van geïnstalleerde koste oor lewensduur, herstellkoste, en die moeilike lekopsoring en skoonmaak van tradisionele damme was van kritieke belang.**

Daarbenewens was die reservoirterreine in moeilik-toeganklike gebiede van sy eiendom geleë.

## Die Impak

Implementering van Fase 1 in 2023 het daartoe gelei dat Andre 'n **vermindering van 22% in elektrisiteitsbesteding** behaal het.

Hy **spaar 28% water per jaar (2110 mm p/a)** wat deur verdamping verlore sou gegaan met oop damme.

**Geen na-opberging behandeling** en deurlopende kwaliteit intervensie vereis.

Die **vaartbelynde projekproses en gekombineerde kundigheid** het ingebruikneming bespoedig, wat produkte **vroeër op die mark kry**.

Andre kan  
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word by  
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Ontdek hoe SBS Group u water- en kragbestuurstrategie kan revolusioneer. Kontak **Trudy by 072 146 8623 of [trudy@sbstanks.co.za](mailto:trudy@sbstanks.co.za)** oor ons water- en energie-oplossings, ontwerp om doeltreffendheid en volhoubaarheid in u boerdery te optimaliseer.



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## The Farmer

Andre Cloete, an award-winning Tru-Cape grower in the Western Cape's Overberg region, cultivates apples and pears predominantly for the Export market.

With Andre's dedication and passion, Klein Ezeljacht Farm, located on the banks of the Riviersondereind River and initially sizing 21ha, has expanded to 54ha over 15 years and encompasses other agricultural interests including sheep, grains, and cattle.



Andre can be contacted 082 264 9640

## His Challenges

Andre faced difficulties with electricity downtimes and load-shedding critically affecting the irrigation of his diverse crop portfolio. To mitigate this, he elected to construct water storage reservoirs. Traditional earth and concrete dams, however, trigger Environmental Impact Assessment requirements, leading to prolonged approval processes that incur professional fees and accumulate time-based escalation on construction materials.

Concrete reservoirs and earthdams require extensive hard-rock demolition, and a post-storage treatment plant would need to be installed, effecting pressure loss. **The 115% maintenance of installed cost over lifespan, repair expenditure, and the difficult leak detection and cleaning of traditional dams, were critical concerns.** Additionally, the reservoir sites were located at the highest points of his property in difficult-to-access areas.

## The Impact

Implementation of Phase 1 in 2023 resulted in Andre achieving **22% reduction in electricity spend.**

He **saves an approximate 28% in water per annum (2110mm)** lost to evaporation had he built open dams.

**No post-storage treatment** and continuous quality intervention required.

The **streamlined project process and combined expertise** sped commissioning, ultimately getting **produce to market earlier.**

## His Solution

Partnering with Hortgro and the Western Cape Department of Agriculture, Andre opted SBS Tanks' reservoirs into his switch-over gravity/pumped irrigation system. The anti-corrosive tank-wall and bladder-lined design removed the need for an EIA, and the logistic-friendly, flat-packed components facilitated faster access to sites and accelerated builds. A modular tank-farm design and minimal foundation work requirements allows for relocatability to accommodate his growth plans and guarantees business continuity during reticulation maintenance and pump servicing.

A scaled rollout was implemented with Phase 1 incorporating 3 x 500kl reservoirs. Phase 2 consisting of 2 x 750kl reservoirs was recently completed with a third phase of same scheduled for 2025. Phase 4, a Solar PV installation will power the pumps and eliminate Eskom reliance.

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