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## OUR FOUNDATION



Technical partnership with Merial (now Boehringer Ingelheim Animal Health) signed in May 1978 for BVI to produce vaccines under license

BVI was established following the Foot and Mouth (FMD) outbreak of 1977/78 in the Northern part of Botswana

BVI registered on the 5th December, 1979 as a public company limited by Guarantee. The company is 100% wholly owned by Botswana Government.



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## OUR PHILOSOPHY



MANDATE – To manufacture livestock vaccines and to sell the same throughout the world;



To be a global center for excellence in infectious disease control

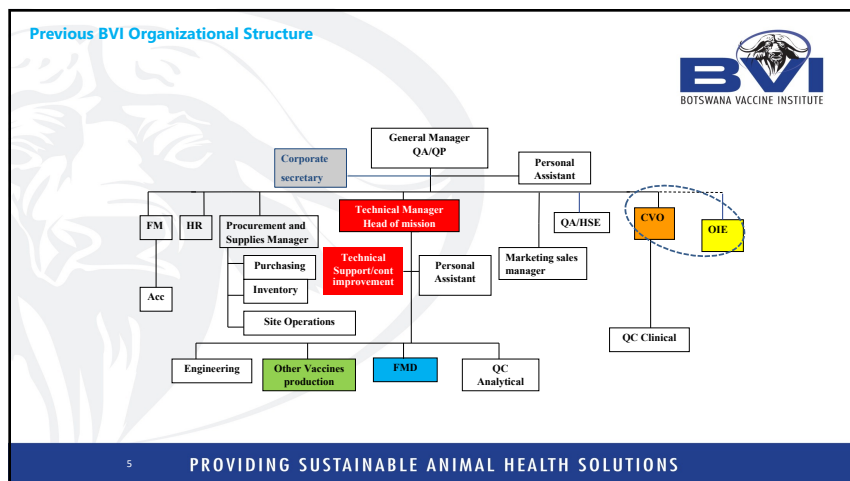


In Collaboration with our partners, we research and manufacture targeted vaccines for the management of infectious diseases regionally and internationally

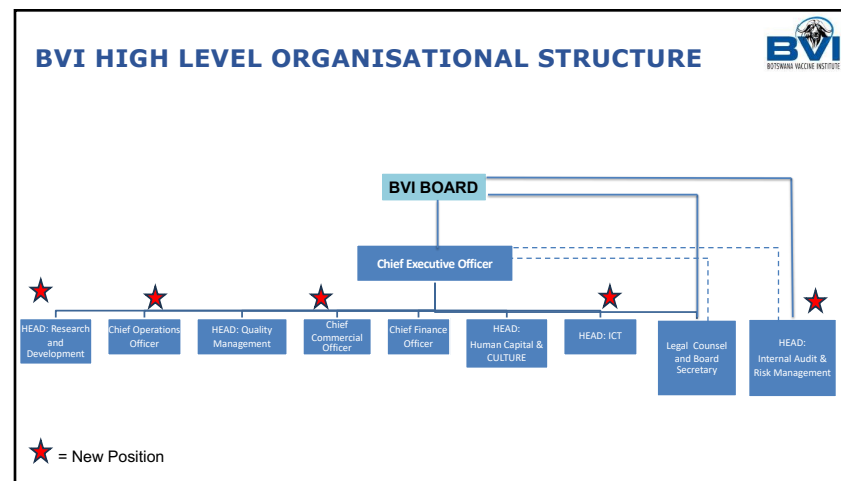


Teamwork  
Customer centricity  
Employee First  
Performance Focus  
Botho

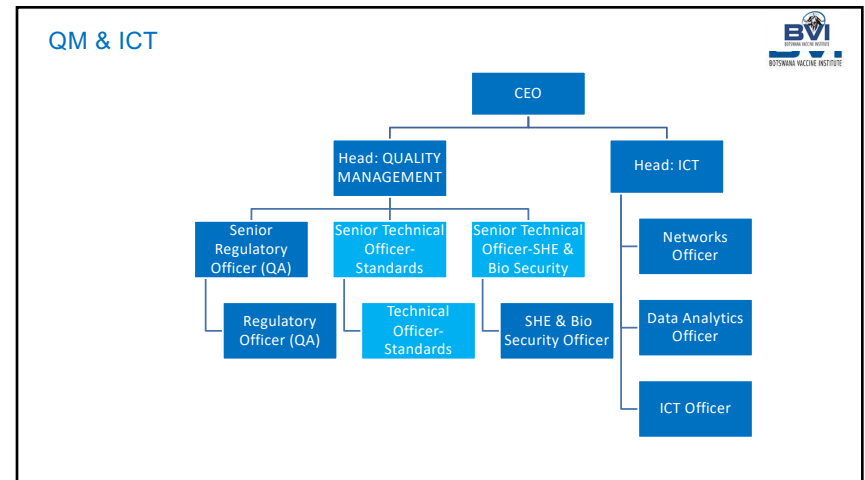
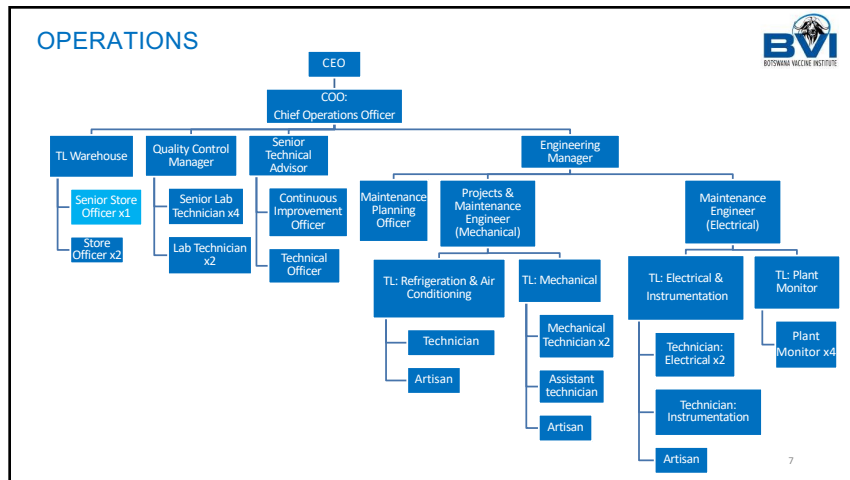
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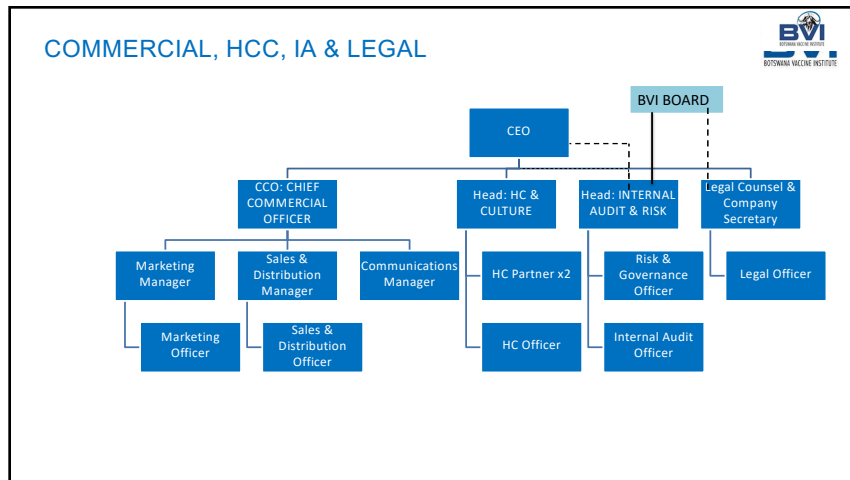


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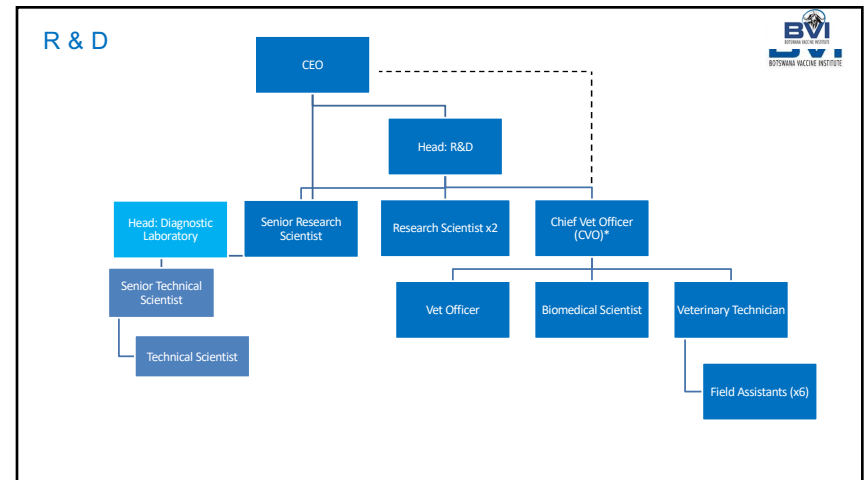


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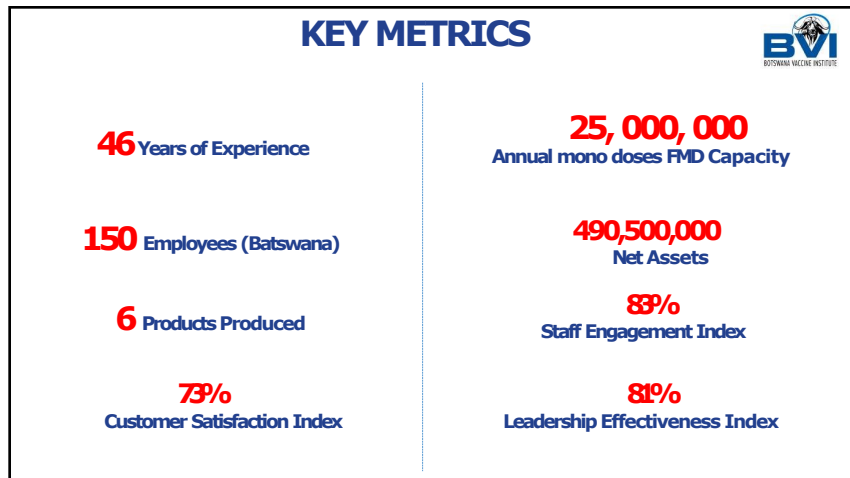




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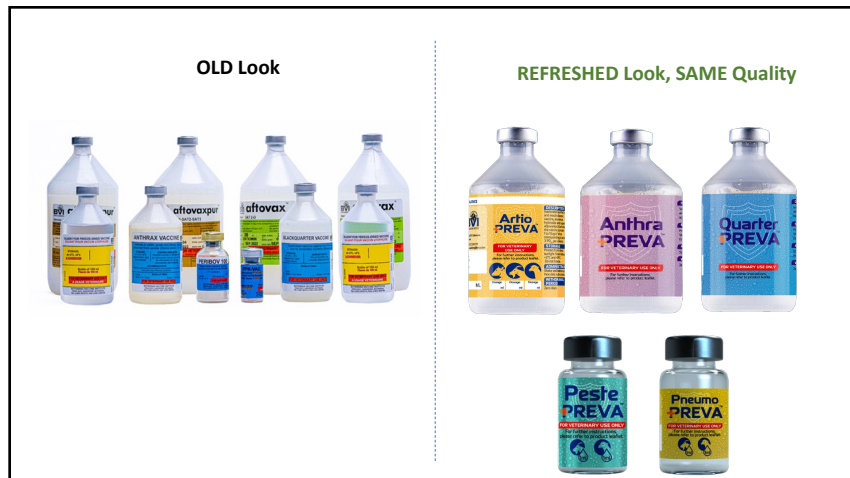
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*final shortlisted Product Names*



	CURRENT NAME	SHORTLISTED NAMES	RATIONAL	RATIONAL
1	Aftovax Pur	ArtioPreva	Artiodactyl refers to cloven hoved animals. (Cattle, camel, goats, wildebeests, etc)	Preva is short for prevention or preventative, due to the property of a vaccine
2	Carbovax – C	AnthraPreva	Anthra- comes from Anthrax, a rare infectious disease which occurs in wild and domestic hoofed animals, especially cattle, sheep, goats, camels and antelopes.	The suffix –Preva comes from the word prevent
3	Asymptol	QuarterPreva	Quarter- comes from Black Quarter, an acute bacterial disease of ruminants which is characterized by swollen, hot and painful wound affecting mostly the hind limb.	–Preva comes from the word prevent
4	Peribov	PneumoPreva	Pneumo- comes from the word pneumonia, in this case referring to Bovine Pleuropneumonia	–Preva comes from the word prevent
5	PPR – Vac	PestePreva	PPR means, Plague of the small ruminants in this case sheep and goats. Peste- is the french word for Plague.	–Preva comes from the word prevent

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## REREFERENCE LABORATORY ACTIVITIES



Case No.	Location	Sample Description	Test conducted	Results
9/23	Malawi	Tissue x7	VI, typing/sequencing	SAT 2
10/23	Ethiopia	Cell culture fluids	VI, PCR, Ag Typing	TYPE A, TYPE O
4/24	Nata, Botswana	Caprine probang x8	PCR, VI, Sequencing	NVGD
5/24	Nata, Botswana	Bovine probang x3	PCR, VI, Sequencing	NVGD
6/24	Nata, Botswana	Bovine probang x5	PCR, VI, Sequencing	NVGD
26/24	Uganda	Bovine tissues x14	VI, PCR & Sequencing	Serotype O
26/24	Uganda	Swabs x4	VI, PCR & Sequencing	NVGD
35/24	North west, Botswana	Bovine tissue x 1, Bovine wash x1	VI, PCR	NVGD
42/24	Mozambique	Tissues x5	PCR, VI, Sequencing	SAT 1
08/25	Namibia	Tissue x9	VI, RT-PCR	Ongoing Testing

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## OUR TOTAL VALUE PROPOSITION



### Disease Investigation , Control Strategy Valuation

- Evaluation of diseases , control and management
- Strategy Formulation

### Vaccination Strategy , Formulation and Supply

- Vaccination strategy , formulation alignment to disease control Strategy

### Post Vaccination Quality Assurance

- Post Vaccination Monitoring (Serological)
- Continuous Technical Support

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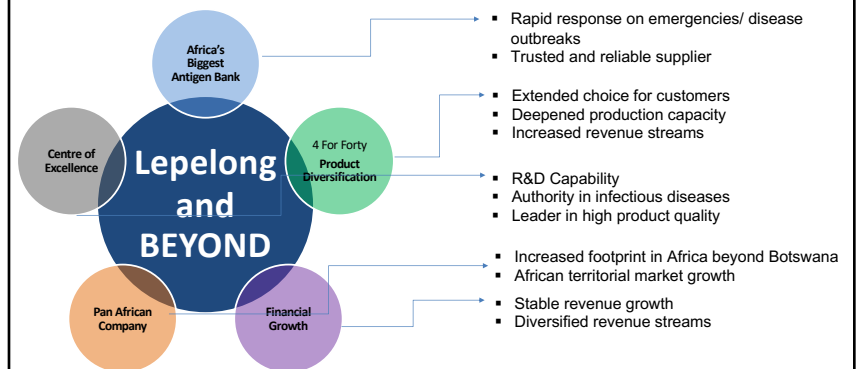


# STRATEGIC PROJECTS



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## STRATEGIC FOCUS-THE BIG PICTURE



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## NEW BLENDING AND FILLING PROJECT



- BVI's current Blending and Filling Laboratory was built over 40 years ago and over time has fallen short of meeting the quality standards, especially GMP requirements.
- The Government has therefore committed P198 million towards completion of the new Blending and Filling Laboratory which will enhance BVI's compliance towards Biosafety and Good Manufacturing Practices (GMP). Additionally, the Laboratory will provide increased production capacity for BVI to integrate production of additional products.



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## NEW BLENDING AND FILLING PROJECT



### Front End Design-Phase 1

- Started in 2018 and completed in 2021
- Spent P19.5 Million against a budget of P22 Million

### Construction of the Shell building-Phase 2

- Construction commenced October 2022
- Construction end April 2024
- Spent P47 Million against a budget of P48.2 Million

### Procurement and Equipment Installation-Phase 3

- Appointment of Pharmaceutical project Management consultants June 2024
- Procurement of Equipment start in November 2024 to August 2026

### Equipment Commissioning & Performance Test-Phase 3

- Equipment installation, Commissioning and performance test End November 2026
- Project completion July 2027
- Budget P336.4 Million ( P138 Million available and P198 Million shortfall)

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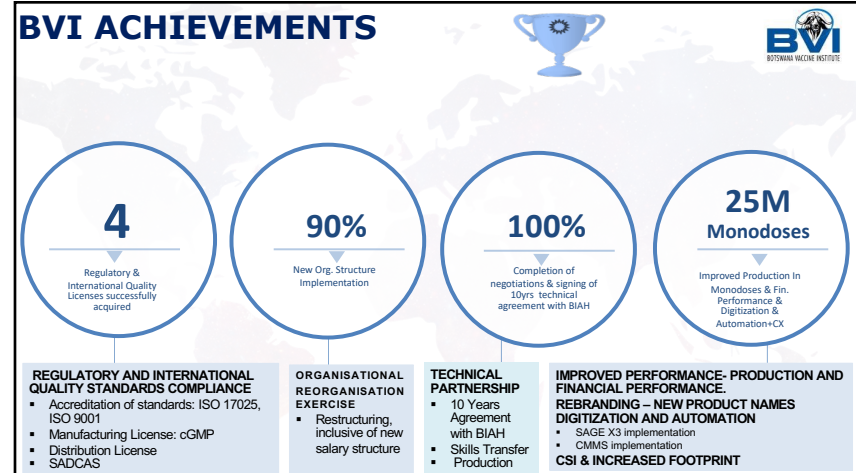
## SEPARATION OF WOH & QC LABS



- BVI was designated a WOH (OIE) Reference Laboratory for FMD in May 1985 and has since then maintained the status to date.
- BVI's Phase 2 facility is dedicated to Quality Control (QC), OIE/WOH and Production. The Phase 2 Building was commissioned in 1982.
- A project was conceived to develop a BSL3 Laboratory for Foot and Mouth diagnostics Laboratory away from the QC lab to mitigate against cross contamination.
- The objective of the project is to comply with Biosafety and Biosecurity requirements defined by the OIE/WOH by separating QC and WOH Laboratories. It is also a BVI/BLAH contract obligation.
- The Project is currently going through procurement processes and is expected to be completed in June 2026
- The project budget is estimated at P20.2 Million

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## BVI ACHIEVEMENTS



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## QUALITY MANAGEMENT CERTIFICATIONS FOR VACCINE MANUFACTURING

### Quality Management System – Importance

Enhancing customer satisfaction

Guarantees safety of products

Market growth

Compliance to regulatory requirements



**GMP:** to ensure consistent production process and delivery of quality products. [Licensed by regulatory body \(BoMRA\) in 2025.](#)



**ISO 9001:2015:** ensures meeting customer expectations and quality of products. [Continued Certification by BOBS \(March 2024\).](#)



**ISO/IEC 17025:2017:** competency based standards for laboratories to assure reliable, and accurate test results. [Accredited by SADCAS \(May 2024\).](#)



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