

Company Name: Blouberg Municipality Sustainable Agriculture (BMSA) NPC

Project: The Chloorkop Sovereign Strategic Competence Center (SSCC)

Submission Date: April 15, 2026

BLOUBERG MUNICIPALITY SUSTAINABLE AGRICULTURE



A hug for hope



1. Detailed China Development Plan (Requirement 3a)

Executive Summary: BMSA NPC is executing a high-precision industrial retrofit of the Chloorkop asset—South Africa’s largest chlor-alkali manufacturer and a National Key Point. The project transitions legacy chemical infrastructure into a decarbonized Sovereign Strategic Competence Center (SSCC). Our China strategy focuses on technical interoperability between the German/EU technology stack and Chinese industrial offtakers.

- **Proposed Timeline for Entering China:**
 - **Q3 2026:** Establishment of the "BMSA Xiamen Liaison Node" to facilitate technical synchronization between the German Design Authority (**Fraunhofer-Gesellschaft**) and Chinese partners.
 - **Q4 2026:** Incorporation of a local Wholly Foreign-Owned Enterprise (WFOE) in the Xiamen Special Economic Zone.
 - **Q1 2027:** Formalization of technical offtake agreements for green precursors (Chlorine, Caustic Soda, and Hydrogen) with Chinese industrial actors.

- **Team Recruitment Plan:** We intend to recruit a specialized "Sovereign Interoperability Team" in China, consisting of a Lead Technical Liaison (Grid & Automation) and a Regulatory Compliance Officer to manage the alignment of Siemens/Fraunhofer protocols with Chinese industrial standards.
- **Willingness to Establish a Local Entity:** Confirmed. BMSA NPC is committed to establishing a permanent legal presence in Xiamen to manage the Asia-Pacific node of the Sovereign Strategic Protocol.
- **Strategy for Acquiring Chinese Customers / Partners:** Our strategy targets Chinese State-Owned Enterprises (SOEs) and private industrial leaders in mining, plastics, and pulp & paper who require decarbonized green precursors to meet international sustainability standards. We seek to position the Chlookop Node as a primary de-risked destination for Chinese EPC+F (Engineering, Procurement, Construction + Finance) models.

2. Detailed Team Introduction (Requirement 3b)

Kgolongwana Austin Hlapa – Executive Director

- **Educational Background:** Chemical Operations NQF Level 4 (Johannesburg Institute of Engineering and Technology); National Senior Certificate.
- **Expertise:** Over 8 years of specialized experience in chloro-alkali chemical manufacturing, SHEQ standards, and high-precision industrial assembly.
- **Core Competency:** Certified in 10-ton overhead crane and telescopic boom operations, providing the foundational technical expertise required to oversee the complex physical retrofit of the TRL-9 Chlookop site.

Mosima Agrienet Tlhapa – Non-Executive Director

- **Role:** Lead for Community Governance and Social Mandate.
- **Focus:** Managing the integration of smallholder cooperatives into the circular value chain, ensuring the project fulfills its mandate of impacting 100,000 farmers across Africa.

Thabisa Violet Dyamile – Alternate Director

- **Role:** Specialist in International Operational Coordination.
- **Focus:** Coordinating synchronization between European technical partners and South African industrial stakeholders during the Joint Venture transition.

3. Overseas Business License (Requirement 3c)

Entity Details:

- **Registration Number:** 2025 / 205489 / 08
- **Enterprise Name:** Blouberg Municipality Sustainable Agriculture NPC
- **Registration Date:** March 10, 2025
- **Enterprise Type:** Non-Profit Company (NPC)
- **Status:** In Business / Active

4. Technology Stack & Patent Status (Requirement 3d)

The Sovereign Node Architecture: The Chloorkop SSCC is an industrial retrofit (not a greenfield project) utilizing a mission-critical technology stack managed under the **Design Authority of Fraunhofer-Gesellschaft**.

- **Power & Electrolysis:** The site is powered by **TotalEnergies Hybrid Power Systems**, which drive the **Nel Hydrogen PEM** stacks and **Thyssenkrupp Nucera BiTAC** electrolyzers.
- **Automation & Grid Resilience:** Operational governance is conducted via **Siemens Smart Microgrids Switchgear and Automation** (Project PEARL), providing Frequency Restoration Services to the municipal grid.
- **Intellectual Property:** The project integrates patented technologies from Siemens, Nel, and Thyssenkrupp Nucera under a sovereign-grade licensing framework. BMSA NPC holds the **EIB Security & Defence Mandate (ID 1080075)**, which provides the strategic legal framework for this technical integration.

5. Financial & Advisory Framework (Others)

- **Fiduciary Anchor:** The project is supported by the **EISMEA (European Commission)** Case Management Team (Ref: WIZARD_3957) to ensure a symmetrical advisory counterweight to **Investec Bank Limited** (advisors to the asset owner, Budvest).
- **Underwriting:** The project is currently finalizing the **85% German Federal Export Credit Guarantee (Euler Hermes)** for the industrial technology stack.
- **Revenue Base:** The facility provides recession-proof revenue through the disinfection of potable water for **100 million people** in the SADC region via green chlorine production.