



Invest in South Africa: High-Impact Projects for Germany - a Strategic Partnership

Forging Stronger Economic Ties Through High-Value Investment Opportunities

26 MAY 2025

“Kühnheit hat Genie, Macht und Magie. Beginne jetzt.”

Johann Wolfgang von Goethe



South African projects that best match Germany's investment appetite, with aligned German industrial strengths and leading companies that could feasibly invest, co-develop, or provide technology and equity.

- **1. National Hydrogen Strategy (NHS)**
€9bn plan with €2bn for international hydrogen hubs.
- **2. Just Energy Transition Partnership (JETP)**
€1.1bn German contribution to SA energy transition. Supports renewables, grid upgrades, and green skills.
- **3. €4 Billion Green Energy Pledge**
€4bn pledged by Germany to Africa by 2030. Aims to co-invest in renewable and hydrogen projects.
- **4. SEFA (Sustainable Energy Fund for Africa)**
€100m German funding to de-risk private energy investments in Africa. Blended finance for SA projects.
- **5. Minerals Security Partnership (MSP)**
G7 initiative securing ethical mineral supply chains. Encourages investment in SA's rare earths, PGMs.

Total number of Projects 195 (Private & Public Sector, DFI and SOEs)

195 Projects into 4 categories :

1 USD = 18.30 ZAR as at 06 March 2024

Category A- 79 Projects- USD 39.74 billion

Each project has a value exceeding USD 5.46 million (R100 million), comprising initiatives that are bankable and feasible, or already in operation or execution. These projects require funding or equity investment and are classified as such based on the details provided in the project documentation.

(A total of 79 projects were listed under Category A, and verification calls were conducted with all relevant stakeholders. of these, 65 projects were successfully verified and are classified as High impact. The remaining 12 projects were verified but not ready for the High Impact list.

Category B - 77 Projects -USD 48,7 billion

Each project has a value exceeding USD 5.46 million (R100 million), which is in the Pre-Feasibility, Concept and Design Stage and the process of meeting regulations

Category C – 38 Projects (1 Project duplicate) USD 2 Billion

Each project has a value below USD 5.46 million (R100 million), inadequate information or unclear and needs further information or validation, including investment values

Category D- 2 Defence projects USD 87,3 million (that also belong as part of the category A list, but ring fenced for those 2 specific countries, UAE and Saudi Arabia)

Sector	SA Project Title	Why Germany Would Invest	Top German Companies with Expertise
Hydrogen	Coega Green Hydrogen Project (USD 5.9 bn)	Germany's €9bn Hydrogen Strategy includes international hydrogen hubs for green ammonia.	Siemens Energy, Linde, thyssenkrupp Nucera, RWE
Battery Manufacturing	Afrivolt (5GWh cell plant) (USD 500m)	Germany is pushing EV battery sovereignty; Afrivolt offers localisation opportunity.	BMW, BASF (battery materials), Volkswagen, VARTA
Battery Chemicals	Vanadium Electrolyte Plant (USD 40m)	Diversification of raw materials for stationary storage (Vanadium Redox Flow Batteries).	Evonik, SGL Carbon, BASF
Automotive Hydrogen	Project Platinum (PGM catalysts & MEAs) (USD 21m)	Supports Germany's fuel cell and hydrogen mobility scale-up via localized platinum inputs.	Heraeus, Bosch, Daimler Truck
Rare Earths / Critical Minerals	ARMet (Rare Earths & Battery Manganese) (USD 500m)	Germany needs critical minerals for clean tech resilience.	Aurubis, Thyssenkrupp Materials Services, BASF
Fluorochemicals	Project CAPE (USD 266m)	Local beneficiation of fluorite (used in batteries, electronics, solar PV).	Wacker Chemie, Evonik, BASF
Electro-Technical / Semiconductors	XeF ₂ Plant (USD 426m)	Strategic input gas for MEMS and semiconductors; complements EU Chips Act strategy.	Infineon, Bosch Sensortec, ZEISS, Merck KGaA
Green Logistics	Project Ukuvuselela (Auto Rail Solution) (USD 350m)	Sustainable transport/logistics aligns with Germany's climate-smart supply chain push.	Siemens Mobility, Deutsche Bahn Engineering, KfW IPEX
Waste-to-Energy	Atlantis Pyrolysis Plant (USD 75m)	Germany is a global leader in circular economy tech and can bring turnkey waste solutions.	Remondis, ALBA Group, EEW Energy from Waste
Pharmaceuticals	Biovac Vaccine Expansion (USD 150m)	Germany supports mRNA and local vaccine manufacturing partnerships in Africa.	BioNTech, Sartorius, Merck Group

- Germany is a prime partner for South Africa's green industrialisation.
- **Key projects with high German appetite:**
- Green Hydrogen (Coega)
- Batteries (Afrivolt, Vanadium)
- Rare Earths (ARMet)
- Chemicals (Fluorochemicals)
- Waste-to-Energy (Atlantis)
- Pharmaceuticals (Biovac)

Opportunities exist for co-investment, technology transfer, and blended finance



GERMAN PACKAGE (Private & Public Sector, DFI and SOEs)

As part of our national investment mobilisation drive, we've finalised a detailed Investment Project Book, comprising **195 strategic projects** from across sectors, geographies, and institutions. At the core of this effort is a group of **65 highly curated, investor-ready projects**,

What **does highly curated** mean? These **65 projects** have been rigorously validated through stakeholder verification, regulatory screening, and funding readiness assessments. They are:

- Bankable, Feasible
- Well-defined in terms of investment value and structure,
- Ready for promotion

GERMAN PACKAGE: We have undertaken a comprehensive assessment of Germany's investment capabilities and interests, informed by a review of key strategic documents. This process was aimed at ensuring alignment between our priority investment projects and Germany's investment direction. From an initial list of 65 projects, we have prioritised **58 high-impact projects**, representing a total investment value of **USD 37,87 billion**. These projects span critical economic growth areas, including Energy, infrastructure, Critical Minerals and Logistics

We developed a FULL GERMAN PACKAGE FOR INVESTMENT MOBILISATION:

- A summary overview of the 58 projects in the Germany Package
- The full document containing detailed summaries of all 58 projects in the Germany Package

58 PROJECTS –USD 37,87 BILLION

Germany



AUTOMOTIVES

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
1	Automotives	Infrastructure South Africa	The Manufacture of Electrical Harnesses for Rail, Automotive and Energy Sectors	USD 36.9 million	Circa Zar 260 million	Project in execution	Investment and Market access in auto sector
2	Automotives	Automotive Industry Transformation Fund (AITF) and others (syndicated)	Project Platinum	USD 21 million	Debt & Equity	Bankability Phase	Investment
3	Automotives	Automotive Industry Transformation Fund (AITF) and others (syndicated)	Project Fusion	USD 10.8 million	Debt & Equity	Bankability Phase	Investment and technical support

BATTERY AND BATTERY CHEMICALS

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
4	Batteries	Alpha Gweda	Alpha Gweda Battery Energy Storage Systems (BESS) Manufacturing	USD 417 million	Project Preparation Funding	Project Preparation Funding for Bankability	Eastern Cape Province
5	Batteries	Industrial Development Corporation	Afrivolt	USD 500 million	Debt & Equity	Funding	Atlantis Special Economic Zone (SEZ)
6	Battery Chemicals	Industrial Development Corporation	Vanadium Electrolyte Project	USD 40 million	Equity	Funding	East London, Eastern Cape Province

CHEMICALS

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
7	Chemicals	Fluorchemicals South Africa Pty Ltd	100 000tpa Fluorochemical Project “Project CAPE”	USD 266 million	Debt & Equity	Investment, Offtakes and funding	Coega Special Economic Zone, Gqeberha, Eastern Cape
8	Chemicals	Richards Bay Industrial Development Zone (RBIDZ)	Nyanza Light Metals (Pty)Ltd	USD 872 million	Debt & Equity	Funding	Richards Bay Industrial Development Zone (RBIDZ), KwaZulu-Natal
9	Chemicals	Industrial Development Corporation	Caustic Soda Lye, Chlorine, Sodium Hypochlorite and Hydrochloric Acid Project	USD 100 million	Debt & Equity	Funding	Richards Bay Industrial Development Zone (RBIDZ), KwaZulu-Natal
10	Chemicals	Industrial Development Corporation (Startup prod)	Chlor-Alkali Projects	USD 100 million	Debt & Equity	Funding	Vaal Special Economic Zone, Gauteng Province

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
11	General Energy	Industrial Development Corporation	Biofuels Project	USD 225 million	Debt & Equity	Funding	Bothaville, Free State Province
12	General Energy	Industrial Development Corporation	Energy Infrastructure Development Project (EIDP)	USD 1.24 billion	Debt & Equity	Blended Finance Solutions	Limpopo Province
13	General Energy	Central Energy Fund (CEF)	Komatipoort 1000MW Gas to Power	USD 1.53 billion	Debt & Equity	Financial and technical investments	Komatipoort in the Mpumalanga Province
14	Generation	Eskom Holdings SOC Ltd	Kusile Ash Dump Facility	USD 256.83 million	Debt	Investment	Kusile Power Station Victor Khanye Municipality, Delmas, Mpumalanga
15	Generation	Eskom Group Capital Division	Kendal Continuous Ash dam Project	USD 149.84 million	Debt	Investment	Kendal Power Station, Kendal Road, Ogies, 2230, Mpumalanga
16	Generation	Eskom Holdings Soc Ltd	Lethabo Particulate Emissions Reduction Project	USD 81.26 million	Debt	Investment	Lethabo Power Station, Deneysville Rd, Viljoensdrift
17	Generation	Eskom Holdings SOC Ltd	Kriel High Frequency Transformers (HFT) and Electrostatic Precipitators (ESP) Projects	USD 81.15 million	Debt	Investment	Kriel Power Station Bethal Ogies Rd, Kriel, 2271. RSA
18	Generation	Eskom Holdings SOC Ltd	Medupi Flue Gas Desulphurisation (FGD) Project	USD 2.28 billion	Debt	Investment	Medupi Power Station in Lephalale, Limpopo Province

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
19	Hydrogen	Industrial Development Corporation	Coega Green Hydrogen Project (HIVE)	USD 5.9 billion	Development Funding, Debt & Equity	Investment	Coega, Eastern Cape Province
20	Hydrogen	Mitochondria Energy Systems	The Hydrogen Valley Innovation Hub	USD 60, 1 million in phase 1	Debt, Equity, Grant	Investment, Research	Emfuleni Vaal Special Economic Zone, Gauteng province

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
21	Oil & Gas	Saldanha Bay Industrial Development Zone t/a Freeport Saldanha	SKORPIO	USD 27 million	Partnership/ Debt & Equity	Financial Support, Technology Partner e-	Saldanha, South Africa Swakopmund, Namibia
22	Oil & Gas	Central Energy Fund (CEF)	SAPREF (Pty) Ltd	USD 15 billion	Debt & Equity	Investment	Durban, Kwa-Zulu Natal Province
23	Oil & Gas	Public Investment Corporation (PIC)	AgriGas Africa Biogas Project	USD 245 million	Asset Debt & Equity	Asset Investment	Sasolburg area in the Northern Free State
24	Oil & Gas	Central Energy Fund (CEF)	Coega LNG Import Terminal	USD 1.475 billion	Debt & Equity	Financial and technical investments	Port of Ngqura near Gqeberha in the Eastern Cape Province
25	Transmission/Up grading	ESKOM	Namaqualand Strengthening PH2	USD 98.36 million	Debt & Equity	investment	Northern Cape Province
26	Transmission/Up grading	ESKOM	Aggeneis-Paulputs 220kV Line	USD 60.11 million	Debt & Equity	investment	Northern Cape Province
27	Transmission/Up grading	ESKOM	Kusile TX Integration	USD 169.4 million	Debt & Equity	investment	Mpumalanga Province

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
28	Transmission/Upgrading	ESKOM	Emkhiweni 400/132kV S/S Integr Ph 1A	USD 76.5 million	Debt & Equity	investment	Mpumalanga Province
29	Transmission/Upgrading	ESKOM	Erica MTS + Phillipi-Erica 400kV Line	USD 60.11 million	Debt & Equity	investment	Western Cape Province
30	Transmission/Upgrading	ESKOM	Hydra-Kronos-Aries 400kV line 2-IPP	USD 125.68 million	Debt & Equity	investment	Northern Cape Province
31	Transmission/Upgrading	ESKOM	IPP Highveld South Phase 2 Wonderkrag	USD 81.97 million	Debt & Equity	Investment	Mpumalanga Province
32	Transmission/Upgrading	ESKOM	Kimberley Ph 4B: Boundary 400kV Ph 2	USD 60.11 million	Debt & Equity	investment	Northern Cape Province
33	Transmission/Upgrading	ESKOM	Koeberg 400 Kv Busbar Reconfig and Trans	USD 81.97 million	Debt & Equity	Investment	Western Cape Province
34	Transmission/Upgrading	ESKOM	Upington Str: Aries-Upington 400kV line 1-IPP Project	USD 65.57 million	Debt & Equity	Investment	Northern Cape Province
35	Transmission/Upgrading	ESKOM	Waterberg GX Integration: 400kV Stability Project	USD 114.75 million	Debt & Equity	Investment	Limpopo Province

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
36	Electro Technical	NECSA	Establishment of a Xenon Difluoride (XeF2) Production Plant	USD 425.6 million	Debt & Grant	Investment	Necsa Pelindaba Site

INFRASTRUCTURE AND LOGISTICS

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
37	Infrastructure	DevAfrique (PTY)LTD	A new water 1 MLD circular wastewater treatment facility, using Membrane Aerated Biofilm Reactor technology	USD 15.55 million	Debt and Equity	Debt and Equity	South Africa
38	Infrastructure	Industrial Development Corporation	Project Ukuvuselela	USD 350 million	Debt & Equity	Funding	Rail infrastructure connecting Tshwane (Watloo & Kaalfontein auto terminals) to the Port of Port Elizabeth in the Eastern Cape
39	Logistics	DevAfrique (PTY)LTD	Trade Afrika Terminals	USD 63 million	Equity: Either a full equity acquisition or a minority stake that allows the currebnt shareholders ro retain control	N/A	Gqeberha, Eastern Cape Province
40	Logistics	Central Energy Fund (CEF)	Port of Saldanha LNG Import Terminal & Gas to Power	USD 1 Billion	Debt & Equity	Financial and Technical Investments	Western Cape Province
41	Logistics	Transnet	Port of Richards bay Liquified Natural Gas import terminal	USD 748.63 million	Debt & or Equity	Investment in Port infrastructure required to enable development	Port of Richards Bay at Berth 207 in South Dunes Precinct

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
42	Mining	Industrial Development Corporation	Copper Project	USD 85 million	Debt & Equity	Funding	Northern Cape Province
43	Mining	Industrial Development Corporation	Copper and zinc Project	USD 300 million	Debt & Equity	Funding	Northern Cape Province
44	Mining	Frontier Rare Earths	Frontier Rare Earths	USD 500 million	Debt & Equity financing on 50:50 basis	Funding	Zandkopsdrift, Northern Cape
45	Mining	Monazite mine	Monazite	USD 111 million	Debt & Equity financing on 50:50 basis	Funding	Vanrhynsdorp, Western Cape
46	Mining	ARMet	ARMet Ferrochrome	USD 172 million	Debt & Equity financing	Funding	Machadodorp Works
47	Mining	Genomines	Genomines	USD 27 million	Debt & Equity financing	Funding	Magalakwena and Nkomati mines in Limpopo
48	Mining	NAAMSA	Manufacturing catalysts and MEA for green hydrogen production and applications	USD 50 million	Equity	Investment	Gauteng Province alongside the OR Tambo International Airport
49	Mining	Industrial Development Corporation	Phosphate Mining Project	USD 138 million	Debt Finance or Equity participation	Debt funding	Western Cape Province
50	Mining	Inkwenkwezi The Star Group	Mining Project	USD 25 million	Debt & Equity	Investment	North West Province

PHARMACEUTICALS

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
51	Pharmaceuticals	Biovac	The Biologicals and Vaccines Institute of Southern Africa	USD 150 million for phase 1 only	Debt or Grant	Loan and market partnership	Cape Town, Western Cape Province
52	Pharmaceuticals	NECSA	Lu-177 radionuclide therapy for neuroendocrine tumors and prostate cancer	USD 8,85 million	Debt & Grant	Investment	Necsa Pelindaba Site
53	Pharmaceuticals	Industrial Development Corporation (Afrigen)	mRNA Technology platforms for vaccine development and manufacturing	USD 60 million	Equity	Equity Funding	Cape Town, Western Cape Province

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
54	Plastics	Richards Bay Industrial Development Zone	Bote Industries (Pty)Ltd	USD 12 million	Debt	Construction phase	Additional Funding of R50 million
55	Plastics	Industrial Development Corporation	Plastics Project	USD 195 million	Debt & Equity	Capital Raise Phase	Funding
56	Plastics	Richards Bay Industrial Development Zone	Bote Industries (Pty)Ltd	USD 12 million	Debt	Construction phase	Additional Funding of R50 million

WASTE

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
57	Waste	Contessa	Atlantis Pyrolysis Project	USD 75 million	Debt & Equity, Bankability Phase	Debt & Equity	Atlantis, Cape Town

No	Sector	Responsible Institutions	Project Title	Project Value	Investment Opportunity	Requirements from additional partners	Location
58	Water	Department of Public Works and Infrastructure	Olifants Management Model Programme (OMMP)	USD 1.35 billion	Debt & Equity	Blended Finance solutions	Limpopo Province

SCAN



MORE ON THE INVESTMENT PROJECT BOOK 2025

**FOR FURTHER INFORMATION
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