



INTERNATIONAL BUSINESS EXCHANGE
CONNECTIONAL ADDRESS EXCHANGE

CONNECTING AFRICA TO GLOBAL OPPORTUNITIES

In Partnership with
Natus Mining Solutions

MINING TO MOTOR MANUFACTURING & TRANSPORT SYSTEMS

Integrated Industrial Development Proposal

From Natural Resources to Industrial Growth



Department of Trade, Industry and Competition (DTIC)
South Africa

*Africa's Resources.
Our Future.*

A partnership-led programme connecting Africa's resources to local industry and

Programme priorities

- Mining exploration and development
- Mineral processing and beneficiation
- Motor vehicle manufacturing
- Integrated transport systems

Development outcomes

- Local value addition
- Industrial skills and employment
- Regional trade and supply chains
- More resilient infrastructure

Core proposition: move beyond exporting raw materials by building processing, manufacturing and transport capacity within African economies.

Minerals: The Resource Base

The proposal identifies five mineral priorities for exploration and value addition.

GOLD

- Wealth, investment and financial resilience

IRON ORE

- Steel production and industrial growth

GRAPHITE

- Battery materials and clean-energy technology

PLATINUM

- Automotive and industrial applications

CHROME

- Stainless steel and industrial uses



Proposed workstreams

- Geological mapping and surveys
- Exploration drilling
- Geophysical surveys
- Sampling and laboratory analysis
- Mineral resource modelling
- Environmental and community engagement



Delivery principle: responsible exploration supported by technical expertise, suitable equipment and community engagement.

Mining Units & Site Operations



Operational units

- Exploration and drilling
- Loading and hauling
- Processing and beneficiation
- Maintenance and workshops
- Power and utilities
- Environmental management
- Safety and security
- Laboratory services
- Logistics and transport

Each site plan should align equipment, workforce, fuel, safety systems and logistics to the scale of the operation.

Key controls

- Fuel supply and storage
- Fuel quality and safety
- Consumption monitoring and tracking
- Fuel management software and reporting
- Cost control and efficiency
- Backup energy where practical

Objective: maintain reliable fuel and energy supply while reducing avoidable downtime and operating costs.

7. Diesel & Energy Management



Key Focus Areas

- ✓ Fuel Supply & Storage (Above & Below Ground)
- ✓ Fuel Quality & Safety
- ✓ Consumption Monitoring & Tracking
- ✓ Fuel Management System (Software & Reporting)
- ✓ Cost Control & Efficiency
- ✓ Backup Energy (Solar/Hybrid where possible)

Reliable fuel supply keeps operations running and reduces downtime.

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Priority roles and training

- Mining engineers and geologists
- Drillers and blasters
- Machine operators
- Truck drivers and equipment operators
- Mechanics and electricians
- Safety officers and first aiders
- Environmental specialists
- Administrators and support staff
- Technical skills and safety training
- Leadership and local employment

8. Human Resources & Skills Development



Key Positions	Training & Development
✓ Mining Engineers & Geologists	Technical Skills Training
✓ Drillers & Blasters	Safety & Health Programmes
✓ Machine Operators	Leadership & Management
✓ Truck Drivers & Equipment Operators	Local Employment & Bursaries
✓ Mechanics & Electricians	Community Empowerment
✓ Safety Officers & First Aiders	
✓ Environmental Specialists	
✓ Administrators & Support Staff	

Skills today. A stronger workforce tomorrow.

A stronger local workforce is central to long-term operational capability and community benefit.

Vehicle Manufacturing & Industrial Supply Chains



HTM SENEGAL
DRIVE AFRICA'S FUTURE
LOCAL PRODUCTION | GREEN ENERGY | JOBS FOR OUR PEOPLE

HTM SEDAN
100% ELECTRIC
CLEANER | SMARTER | BUILT FOR AFRICA

- Zero Emissions: Clean of the most toxic substance
- Long Range: Up to 400 km per charge
- Fast Charging: 80% in 10 minutes
- Advanced Safety: A3AS - 5 Airbags
- Smart Connectivity: Stay connected on the go

Made in Senegal for a Stronger Africa

5 FACTORIES IN SENEGAL | CREATING INDUSTRY | EMPOWERING PEOPLE | BUILDING A SUSTAINABLE FUTURE

- 1 STEEL FACTORY**
High-quality steel for vehicles, buildings and African infrastructures.
- 2 BATTERY FACTORY**
Lithium-ion batteries for clean energy and electric mobility.
- 3 CLUTCH & BRAKE FACTORY**
Reliable braking and clutch systems for safety and performance.
- 4 SEATS FACTORY**
Comfortable, durable and locally produced seats for HTM vehicles.
- 5 ENGINES FACTORY**
Petrol, Diesel and Electric powertrains for Africa and beyond.

HTM SENEGAL
SKILLED JOBS | LOCAL VALUE | PROSPEROUS COMMUNITIES

LUXURY & TECHNOLOGY

- Premium Leather Seats
- Digital Dashboard
- Wireless Charging
- Paramount Sound
- Advanced Driver Assistance

SPECIFICATIONS

- Battery Range: Up to 400 km
- Charging Time: 30 min (80%)
- Max Power: 250 kW (340 hp)
- Top Speed: 180 km/h
- Drive Type: Rear Wheel Drive (RWD)

OUR IMPACT

- 5 Factories in Senegal
- Thousands of Jobs
- SAI Development
- Technology Transfer
- A greener Africa

HTM | DRIVEN BY INNOVATION | BUILT IN SENEGAL | POWERING AFRICA

HTM Senegal

- Vehicle assembly concept
- Local supplier and workforce participation
- Potential link to regional mobility needs



HTM
HTM SUV
Built in Côte d'Ivoire • Driven for Africa

HTM at Côte d'Ivoire
Five Integrated Factories.
One Vision – Industrial Growth,
Local Jobs, A Stronger Africa.

THE 5 HTM FACTORIES IN CÔTE D'IVOIRE

- 1 HTM STEEL FACTORY**
Steel Processing & Automotive Body Components
Producing strong foundations for the future.
 - Steel coils & sheets
 - Body panels
 - Structural components
 - High-quality metal parts
- 2 HTM BATTERY FACTORY**
Battery Assembly, Testing & Energy Storage Systems
Clean energy for a sustainable tomorrow.
 - Lithium battery packs
 - Battery assembly
 - Testing & quality control
 - Energy storage systems
- 3 HTM CLUTCH & BRAKES FACTORY**
Automotive Braking & Clutch Components
Safety in every journey.
 - Brake discs & pads
 - Clutch kits
 - Full gear & components
 - Quality testing
- 4 HTM SEATS FACTORY**
Vehicle Seats, Upholstery & Interior Assemblies
Comfort, style and pride in every seat.
 - Seat frames
 - Foam & upholstery
 - Upholstery
 - Interior accessories
- 5 HTM ENGINE FACTORY**
Engine Assembly, Testing & Powertrain Manufacturing
Powering Africa's mobility.
 - Engine assembly
 - Testing & calibration
 - Powertrain components
 - Future hybrid & electric options

CÔTE D'IVOIRE
Strategic Location | Skilled Workforce | Growing Economy

HTM
PROUDLY AFRICAN. BUILT FOR AFRICA.

Local Manufacturing | Local Jobs | Lasting Impact
Together for a stronger Côte d'Ivoire.

HTM Côte d'Ivoire

- Five proposed factories:
- Steel • Batteries • Clutch & brakes
- Seats • Engines

Manufacturing plans remain proposals subject to feasibility, investment, partners and government engagement.

Integrated Transport & Infrastructure



The transport concept links rail, road and urban mobility with industrial corridors, mineral logistics and regional trade. Project scope and route selection require country-level assessment.

Partnership Model & Next Steps

Potential partner contributions

- Government: policy alignment and facilitation
- Technical partners: engineering and operations
- Investors: capital and project finance
- Industry: equipment, manufacturing and supply chains

Proposed next steps

- Confirm country and project priorities
- Establish technical working groups
- Prepare feasibility and market studies
- Develop budgets and financing structures
- Agree governance, roles and milestones

Initial focus countries and concepts in the source material include Senegal, Côte d'Ivoire and the Republic of Congo.

This presentation is a discussion proposal. No financing, production capacity, project approvals or implementation commitments are represented as confirmed unless separately documented.

