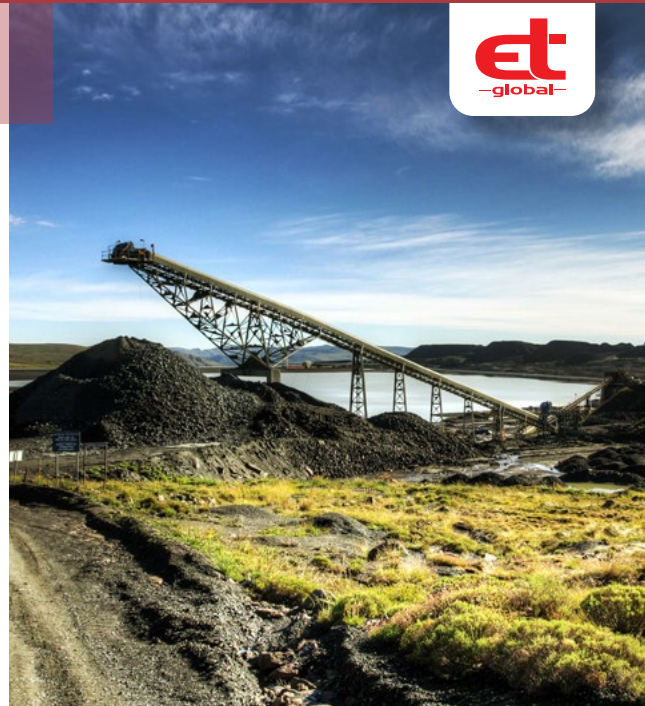


CAPABILITY STATEMENT



Conveyor Systems

ET-Global has designed standardised conveyor systems with pre-developed belt sizes of 600mm, 750mm, 900mm, and 1050mm to cater to various applications. These systems incorporate standard gantries, trestles, and components that can be easily assembled to meet the client's requirements quickly. Additionally, if your project demands a more customised approach, we offer bespoke designs for all standard belt sizes as well.



The Team Leader

Renier Esterhuizen leads ET Global's conveyor system design team, bringing nearly a decade of expertise in materials handling for various materials, including coal, precious stones, and minerals across Africa. Renier designs both the structural and mechanical portions of conveyor systems, ensuring comprehensive and integrated solutions.

His extensive experience in root cause analysis and on-site investigations of failures contributes to the development of robust and reliable conveyor systems. Renier has worked closely with industry leaders such as Graham Shortt and maintains strong relationships with key suppliers like Bonfiglioli, Nord, Fenner, Ringspan, BMG, and Paramax which has enabled him to create pre-feasibility and feasibility estimation tools. His deep industry knowledge and technical proficiency position ET Global as a leader in conveyor system solutions.

His core competencies include and are not limited to:

- Quick pre-feasibility and feasibility of conveyor systems
- Design of project specific conveyor systems
- Bespoke design of conveyor systems
- Structural safety audits & SIMM services
- Root cause investigations

Structural Steelwork Design Project Success

- Conveyor System Inspection and Repurposing for Stuart Coal Mine
- Conveyor System Upgrade for Sendelingsdrif Diamond Mine

Conveyor system design competencies

- Mechanical designs
- Interplant, overland, decline, stockpile, trippers and belt feeder conveyors
- Ultra low-temperature designs
- Modular systems
- Audits and upgrades on existing belts

Conveyor System Inspection and Repurposing for Stuart Coal Mine



Project Overview:

Conveyor System Inspection and Repurposing for Stuart Coal Mine

Client:

Consulmet

Initial Location:

Baken Mine (South Africa)

Repurposed Location:

Stuart Coal Mine (South Africa)

Completion Date:

2019

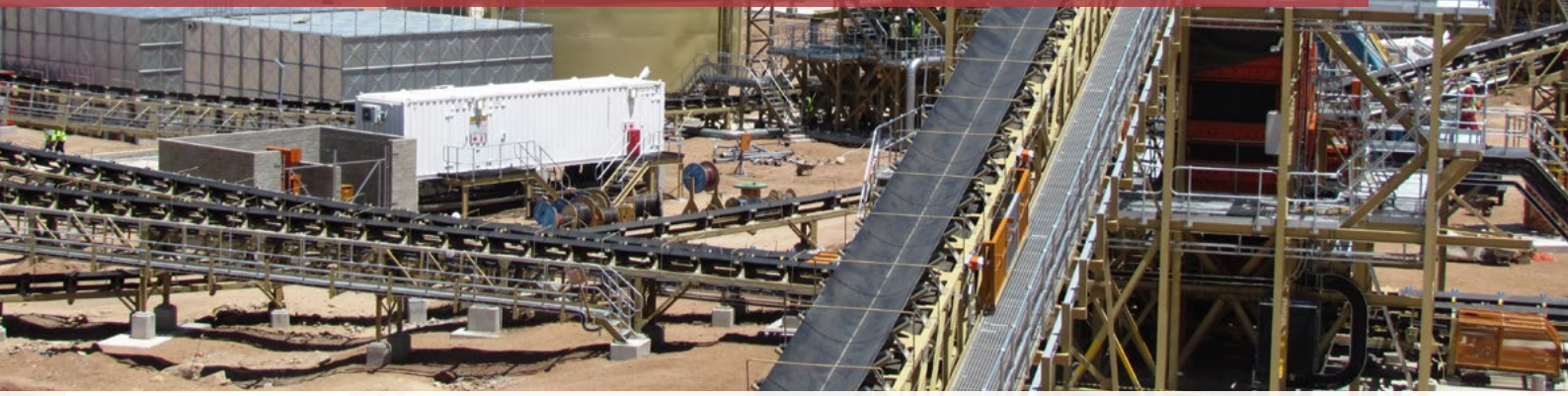
Scope:

ET-Global was tasked with inspecting a decommissioned conveyor system at Baken Mine to evaluate its suitability and potential modifications for use at Stuart Coal Mine. The project aimed to adapt the conveyor for heavier loads due to increased throughput requirements for coal transport, including crossing a national road.

Key Contributions:

- Conducted a thorough inspection of the existing conveyor system, assessing its structural integrity and compatibility with the new application.
- Identified necessary modifications to accommodate the heavier loading conditions expected from the coal's higher throughput.
- Designed enhancements to ensure the conveyor system would meet the stringent standards required for crossing a national road, focusing on safety, stability, and compliance with national regulations.
- Provided detailed recommendations for repurposing the conveyor, ensuring it would be robust, compliant, and efficient for the intended coal transport application at Stuart Coal Mine.
- Our expert analysis and strategic planning facilitated a cost-effective solution for Consulmet, leveraging existing assets for new operational demands while ensuring compliance with safety and regulatory standards.

Conveyor System Upgrade for Sendelingsdrif Diamond Mine



Project Overview:	Conveyor System Upgrade for Sendelingsdrif Diamond Mine
Client:	Namdeb
Location:	Sendelingsdrif, Namibia
Completion Date:	2018

Scope:

Faced with the challenge of integrating a new, larger Run of Mine (ROM) into the existing operations, Namdeb enlisted ET-Global to conduct a structural analysis and provide design recommendations for repurposing and modifying the conveyor system at the Sendelingsdrif Diamond Mine to handle additional loading.

Key Contributions:

- Performed an in-depth structural analysis of the existing conveyor system to assess its ability to accommodate increased loading from the new ROM.
- Identified critical areas requiring strengthening or modification to ensure the conveyor system's integrity and operational efficiency under the heightened load conditions.
- Developed comprehensive design recommendations focused on enhancing the structural capacity and resilience of the conveyor system, ensuring it meets the new operational demands.
- Collaborated closely with Namdeb to ensure the proposed modifications align with operational requirements and safety standards, facilitating a smooth transition to increased production capacity.
- ET-Global's technical expertise provided Namdeb with actionable insights and solutions, enabling the Sendelingsdrif Diamond Mine to effectively adapt its conveyor system for enhanced productivity and longevity.