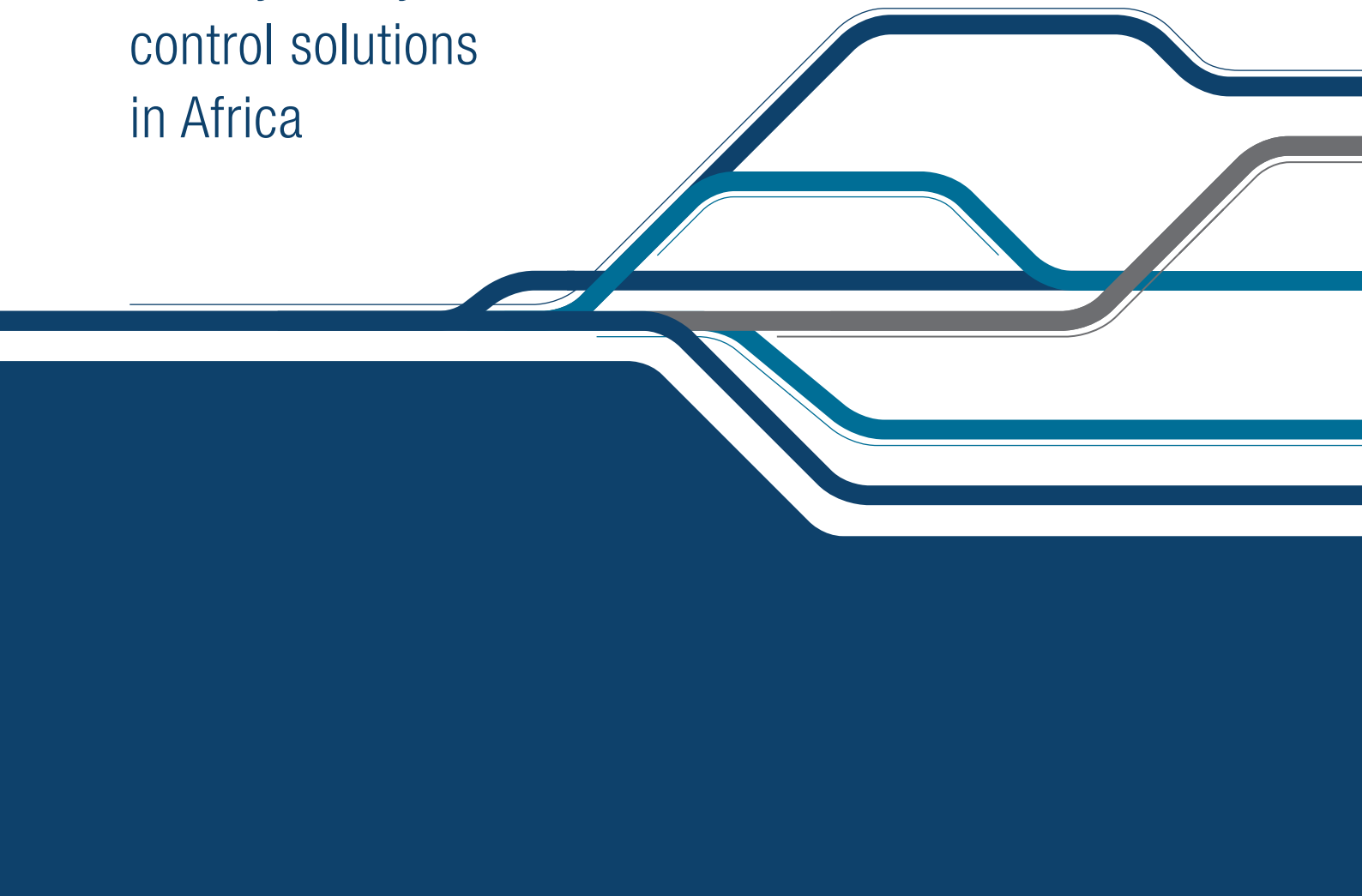




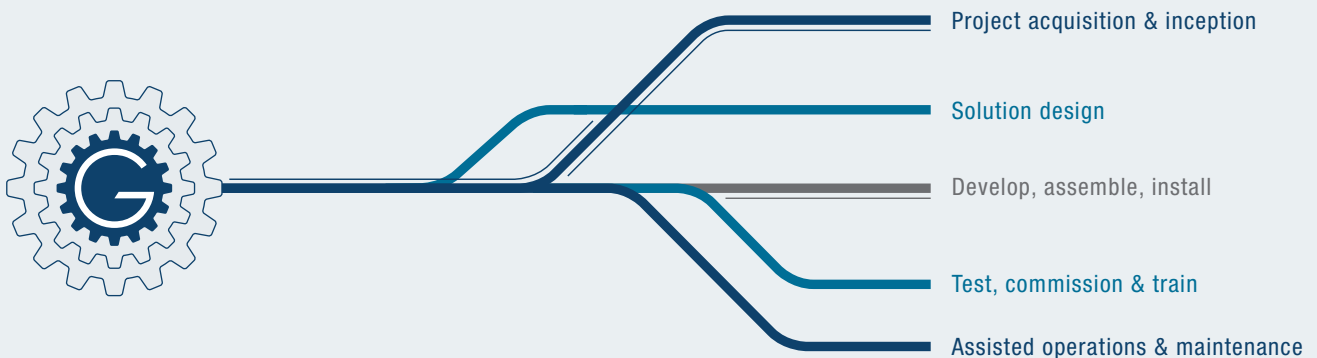
Leaders in
railway safety and
control solutions
in Africa



About Gear Rail

Gear Rail are leaders in railway safety and control solutions in Africa. We have successfully completed projects for national rail operators, mining groups, rail concessionaires and transport logistics companies.

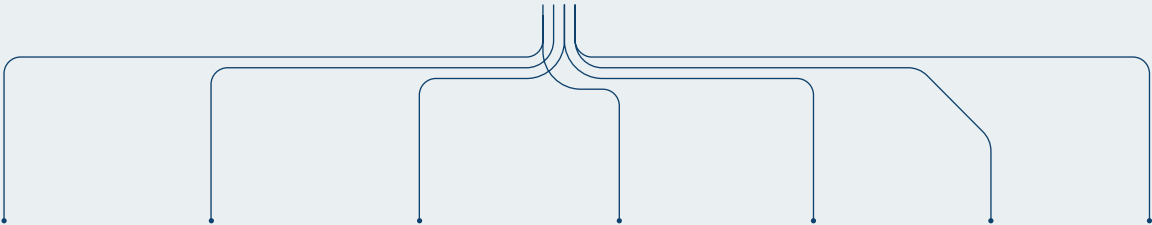
Our commitment to our customer extends beyond typical project execution and includes all phases of the project lifecycle, from project acquisition and inception to post-implementation support.



The Gear Rail group

Gear Rail holds various exclusive supplier agreements with our global partners and is collectively responsible for the strategy, management, sales, marketing and business development for the companies in the group. The Gear Rail Group consists of Gear Rail South Africa, Gear Rail Africa, Gear Rail Mozambique, Gear Rail Namibia, Ansaldo STS – Gear South Africa, Africa Rail Logistics and Technologies (ARL&T) and Proradi.

Gear Rail structure



Ansaldo STS - Gear SA



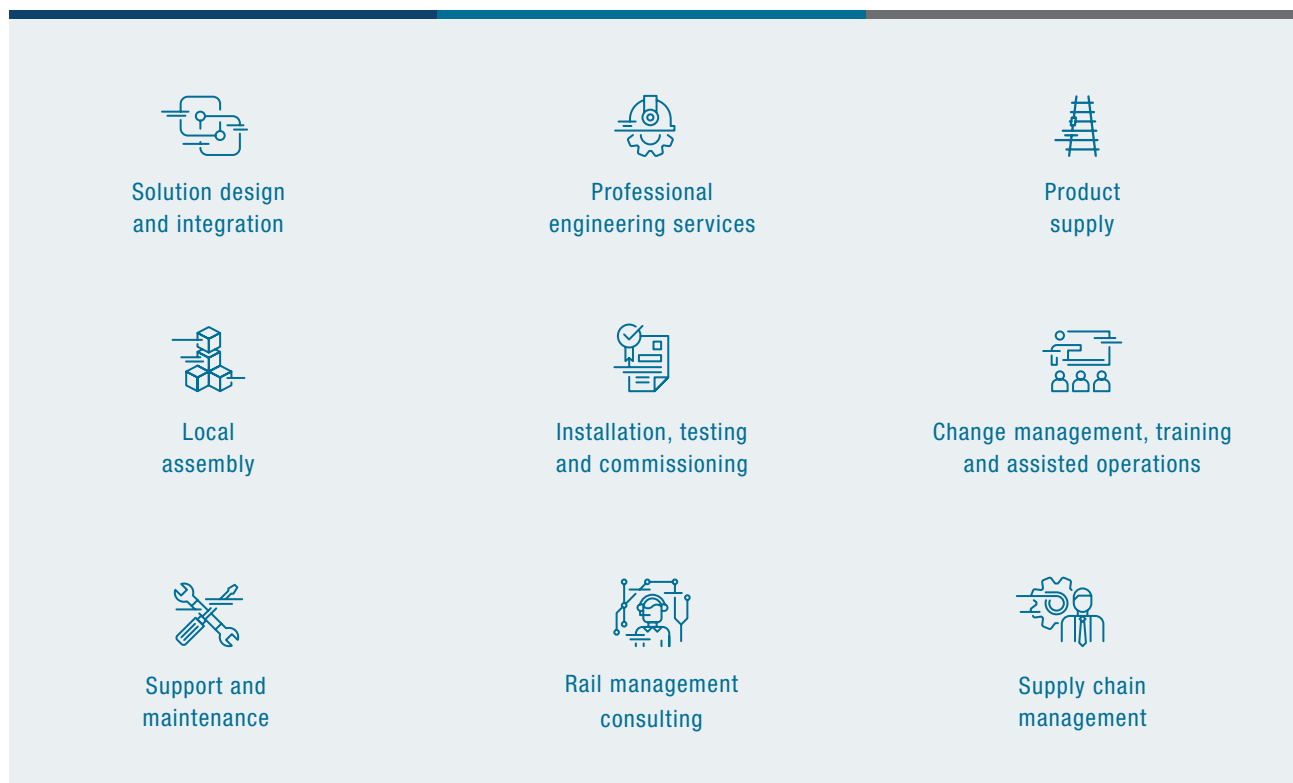
PRORADI



Solutions and services

Turnkey project implementation

Gear Rail specialises in full turnkey railway infrastructure projects. Typical project disciplines include:



Solution design and integration

We offer solution design and integration for both existing systems and greenfield projects, and we can work independently or as part of a multidisciplinary team for high level, preliminary and detailed designs for feasibility studies or defined projects.



Professional engineering services

We engineer and offer expertise and consultancy for the following:

- > railway train authorisation and remote control systems
- > condition monitoring systems
- > hardware and software design and development
- > mathematical modelling and simulation
- > engineering consultation
- > technical audits
- > product design and development of electronic equipment and product enhancements



Product supply

Gear Rail has an extensive range of products to address our customers' diverse rail needs, addressing safety solutions and enhancing asset performance and management. These solutions encompass both locomotive on-board systems and trackside solutions and have been carefully selected to work together in an integrated and cost effective manner.



Local assembly

Our local engineering teams are responsible for the assembly of our integrated solutions, tailored for specific applications. For new solutions, our teams work with attention to detail to ensure that the final product is a practical and direct translation of the solution needs.



Installation, testing and commissioning

Our site staff, including safety, project management, engineering and technical resources, are directly involved in the installation, testing and commissioning of our solutions. The overall process on site is executed with our continued focus on safety, quality and timeous project execution, culminating in acceptance testing, overall system testing and commissioning against rigorous test procedures.



Change management, training and assisted operations

We assist our customers in identifying the areas of their business that will be affected by the adoption of new solutions and technology. Gear Rail extends training to include onsite-assisted operations.



Support and maintenance

Gear Rail operates a centralised, multi-language, 24/7 support centre in Johannesburg, as well as regional onsite support centres and help desks in Mozambique.



Rail management consulting

Gear Rail promotes the adoption of rail technology that is centred on developing sustainable and profitable railways. By optimising rail operations and asset productivity through the ongoing analysis of business processes our customers can continually adjust their business models to achieve success.



Supply chain management

Gear Rail provides a diagnostic service to our customers supply chain operations, which allows us to:

- > gain an understanding of how the warehouse and materials management activities are undertaken currently,
- > perform inventory analysis,
- > understand the short and long term requirements of the warehouse and materials management operation and
- > identify opportunities to reduce inventory and improve availability.





Our rail solutions
uphold the highest rail
safety standards and
are implemented
in rail networks
across Africa.

Partners

Gear Rail has established strategic partnerships with global leaders in multiple rail domains. Gear Rail is responsible for sales, implementation, integration, support and maintenance of these well-established railway brands.



Ansaldo STS A Hitachi Group Company

Ansaldo STS is an international technology leader in railway signalling and integrated transport solutions for mainline railways, mass transit and freight. Its core business is the development and delivery of integrated solutions that improve the safety, efficiency, reliability and environmental performance of passenger and freight rail networks worldwide.



ALL Railway Management (ARM)
With Gear Rail, ARM offers global railway companies the methodology to operate and improve their respective railway businesses.



Frauscher Sensortechnik - a technology leader for axle counting and wheel sensors for railway applications. Gear Rail has been appointed by Frauscher as their sole agents for sub-Saharan Africa. Frauscher prioritise constant innovation, best quality, superior customer orientation and outstanding service for all products and systems.



Alta Rail Technology (ART)
Together with ART we offer a comprehensive portfolio of proven technology that enables a continuous improvement process for safety, asset productivity and cost reduction for rail operations. The current portfolio is divided in two comprehensive solution sets: Alta Enhanced Train Control (AETC) and Alta Performance Management Suite (APMS).



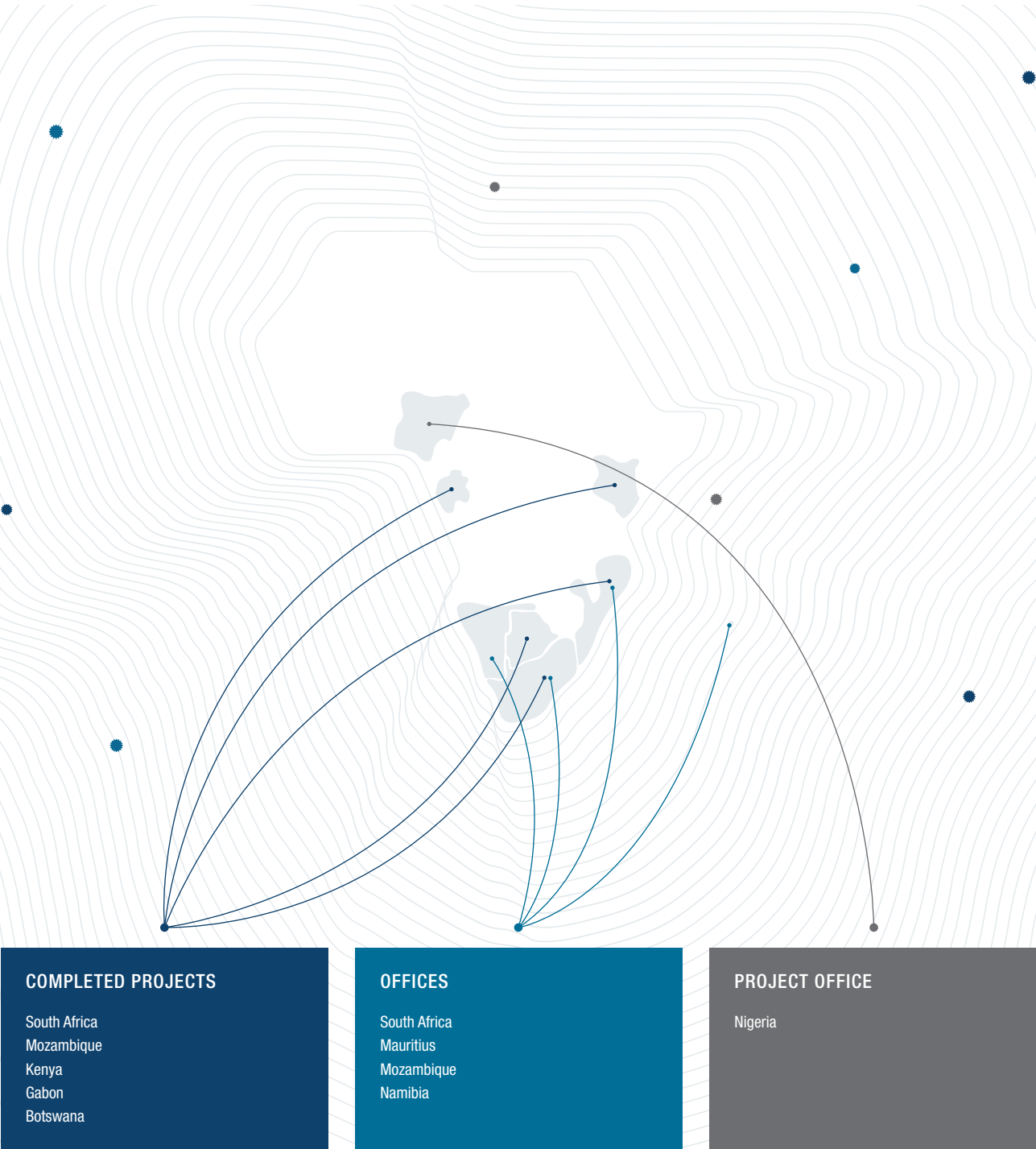
Grindrod Rail - provides a full suite of rail services from the manufacture and refurbishment of locomotives and wagons to facilitating a seamless "pit to port" rail logistics solution for freight customers on the African continent. Grindrod has a rail presence in several African countries through their partnership with Gear Rail and other group companies including Grindrod Locomotives, Grindrod Operations, NLPI and Grindrod Rail Construction.



Unipart Rail – Gear Rail and Unipart Rail have partnered in Africa to provide their expertise in supply chain management and lean capability across all rail business activities. Gear Rail has access to Unipart Rail's inventory of over 70 000 unique spare parts.

Regional presence

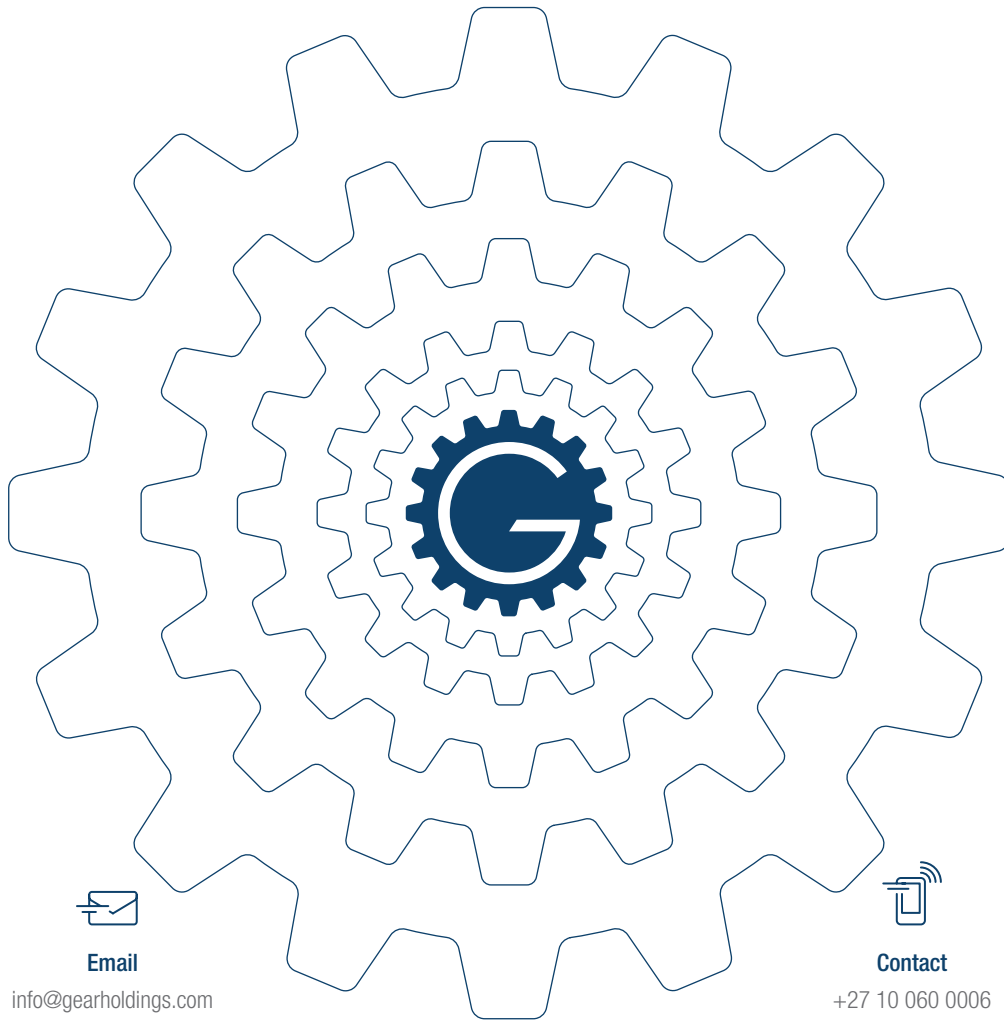
We establish permanent or project offices in countries across Africa to address the challenges and complexity of delivering turnkey rail projects. Projects have been successfully completed in South Africa, Mozambique, Kenya, Gabon and Botswana.



Contact us

For more information and details of all our offices go to

www.gearrail.com



Email

info@gearholdings.com



Contact

+27 10 060 0006



Visit us

44 Galaxy Avenue, Linbro Business Park
Frankenwald, Gauteng, South Africa, 2065



www.gearrail.com

Gear Rail

44 Galaxy Avenue, Linbro Business Park
Frankenwald, Gauteng, South Africa, 2065

E info@gearholdings.com
T +27 10 060 0006