



Observatoire Europe-Afrique 2030

## Descriptive sheet n°53

### Enterprise : Gear Rail (South-Africa)

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Degree of accuracy of the information contained in the data sheet

Medium

## 1. Activity of the enterprise

Gear Rail are leaders in railway safety and control solutions in South Africa. The enterprise has developed a portfolio of rail technologies that offer its customers turnkey solutions to meet their specific railway infrastructure project requirements.

### Fields of expertise:

- Type-approved electronic trackside signalling solutions
- Communications-based train control
- Locomotive condition monitoring solutions
- Train planning and execution systems
- Rail ERP systems to manage and optimise rail operations
- Supply chain diagnostics and optimisation for rolling stock and infrastructure spare parts

## 2. Range of products and services

Gear Rail has an extensive range of products to address customers' diverse rail needs. The products address either safety solutions or enhance asset performance and asset 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.

Following product design and development, the local teams are responsible for the assembly of integrated solutions tailored for specific applications.

### Points to check:

- Turnover 2023?

- Share of local value added?

-Beyond assembling activity, what kind of equipment is manufactured in South-Africa by Gear Rail?

### 3. Industrial partnerships

Gear Rail has partnered with **Alta Rail Technology (ART)** (Brazil) to 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): a cost-effective solution which combines on-board technology and control centre software to provide railways with a complete traffic control solution for both signalled and dark territory environments
- Alta Performance Management Suite (APMS): a set of applications that support the continuous improvement of railway production processes based on managing asset and human resource productivity and operating cost.

**Frauscher** (Austria) wheel sensors and axle counters make it easier for system integrators and railway operators to obtain the information they need. The company's intelligent and highly reliable products generate precise data for a wide range of railway applications on main lines, in urban and mass transit, or in industrial transport systems. Gear Rail has been appointed by Frauscher as their sole agents for sub-Saharan Africa to bring the Frauscher technologies to the African continent, where Gear Rail will provide in-house capability of design, sales, assembly, configuration, integration, installation, testing, commissioning and after sales support.

Consultancy on railway operations and rail management best practices is provided by Gear Rail in partnership with **ALL Railway Management (ARM)**. **As such, Gear Rail with ARM specialise in consultancy on:**

- development of business plans, strategic plans and feasibility assessments,
- assessment of all elements of railway operations including yards, permanent way, maintenance and workshop facilities, signalling and control centres, rolling stock and other rail infrastructure,
- evaluation of locomotive fuel efficiency and implementation of fuel consumption reduction plans,
- prioritisation of projects with immediate cost control and productivity increases with high ROI's and
- implementation of turnaround projects, continuous improvement processes and routines.

### 4. Sources of information

<https://gearrail.com/>

### 5. Contacts

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Name	Function	email	Phone

**Point to be completed : Names and coordinates of two managers of the enterprise**