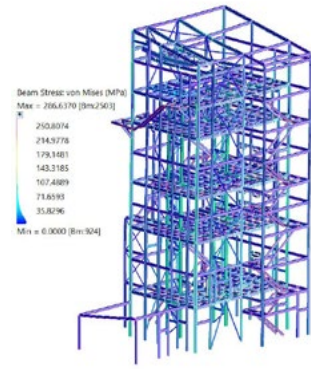


# CAPABILITY STATEMENT



## Structural Steelwork Design

ET-Global is a leading expert in the field of structural steel designs, showcasing excellence in every aspect. We utilise specialised Finite Element Analysis (FEA) software, enabling us to effectively address seismic, natural frequency, and harmonic response, as well as linear and nonlinear static structures.



## The Team Leaders

Mark Hewitson and Justin Williams bring together a wealth of expertise in structural steelwork design, with a combined professional experience spanning over four decades. Their collective background encompasses a diverse range of projects within the mining, industrial, and commercial sectors, underscoring their versatility and deep understanding of engineering principles.

Mark Hewitson, the Managing Director of Euro-Technology Pty Ltd, has been a pivotal figure in structural engineering since 1995. His extensive experience includes serving as Chief Structural Design Engineer at De Beers Marine Cape Town and as a Structural Engineer for ICAL – Mossgas – Offshore. His qualifications, including a Bachelor of Technology Degree from Bolton University and certifications from the Engineering Council of South Africa, highlight his commitment to engineering excellence.

Justin Williams, the Lead Structural Engineer, complements this expertise with his fresh and dynamic approach to structural engineering. Having recently advanced to the role of Operations Manager at Euro-Technology Pty Ltd, Justin has quickly established himself as a key figure in the company's engineering team. His academic background, with a B.Eng (Honours) in Civil Engineering from Stellenbosch University, combined with hands-on experience in various engineering roles since 2020, equips him with a modern perspective on structural steelwork design.

Mark and Justin's commitment to ongoing professional development and adherence to industry best practices positions Euro-Technology Pty Ltd as a leader in structural steelwork design. Their integrated approach to project management and design ensures that every project is executed with precision, from initial concept through to final implementation.

### Their combined core competencies include and are not limited to:

- Finite Element Analysis of dynamic and static structures
- Modular systems
- Structural safety audits & SIMM services
- Root cause investigations

### Structural Steelwork Design Project Success

- Iluka Mine Modular Systems, Sierra Leone
- Murowa Diamond Mine Extension, Zimbabwe

### Structural Steelwork design competencies

- Portal frame structures (workshops, warehouses)
- Static supporting structures (transfer towers, access structures, pipe bridges)
- Dynamic supporting structures (screening structures, VGF structures, crushing structures)
- Platework (silos, bins, chutes, underpans, thickeners)
- Multi-storey plant supporting structures (recovery structures, scrubbing & screening structures)
- High-impact structures (static grizzlies, box fronts)
- Crane gantries & crawl beams
- Modular mobile plant structures

# Iluka Mine Modular Systems, Sierra Leone



<b>Project Overview:</b>	Iluka Mine Modular Systems, Sierra Leone
<b>Client:</b>	DRA Global
<b>Location:</b>	Sierra Leone
<b>Completion Date:</b>	2019

## Scope:

ET-Global delivered innovative structural engineering solutions for the Iluka Mine, specializing in the extraction of minerals like rutile, ilmenite, and zircon. Our expertise was focused on designing modular systems that enhance operational flexibility.

## Key Contributions:

- Engineered structural steelwork to support scrubber and Intensive Mix Unit (IMU) modules on skids, ensuring mobility and adaptability of the system.
- Focused on modular design principles to facilitate easy transportation and reconfiguration of the processing units.
- Collaborated with DRA Global to implement a solution that optimizes efficiency and productivity in mineral extraction processes.

# Murowa Diamond Mine Extension, Zimbabwe



**Project Overview:** Murowa Diamond Mine Extension,  
Zimbabwe

**Client:** Consulmet

**Location:** Zimbabwe

**Completion Date:** 2022

**Capacity:** Extension - 500 tons per hour

## Scope:

ET-Global was pivotal in the structural engineering for the Murowa Diamond Mine extension, in collaboration with Consulmet. Our work encompassed the design of key infrastructure components necessary for expanding the plant's capacity.

## Key Contributions:

- Provided structural designs for front ends, thickeners, stockpile tunnels, screening and crushing steel structures, and conveyors.
- Ensured design compliance and integration for a 500 tph capacity extension.
- Worked closely with Consulmet to deliver engineering solutions tailored for the mining industry's demands.