



OJ MINING

OJ Mining Projects (Pty) Ltd

Steel Fabrication • Engineering • Mining Logistics

BUSINESS PROFILE

Integrated solutions for the
South African mining industry

COMPANY REGISTRATION
2020/791572/07

Fabrication | Engineering | Transport & Logistics

COMPANY DETAILS

OJ Mining Projects and Services (Pty) Ltd
Company Reg Nr 2020/791572/07



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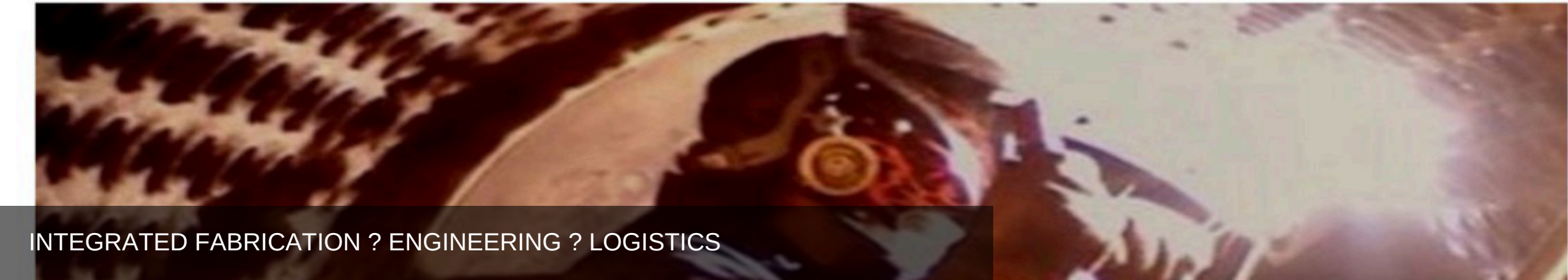
COMPANY BACKGROUND



This business was founded in 2020 by Kgomotso Tshepe. Each member of the staff and the management team has extensive experience in this area. Our fabrication workshop and office are located on-site, in a fantastic area.

The workshop is well-equipped with tools for welding, structural steel fabrication, milling, and fabrication projects, as well as general and plant maintenance.

The company's extremely adaptable workforce, which does not distinguish between different trades, is the key to its success. Many of the employees have been with the business since its inception, and a highly competent management team provides assistance for all trades.



BUSINESS PROFILE

OJMiningProjects (Pty) Ltd specializes in steel fabrication engineering, providing on-site mining engineering services and comprehensive logistics solutions tailored specifically for the South African mining industry. The company’s strategic aim is to bridge the crucial gap between precise fabrication processes and dependable, efficient mine-site transportation.

To this end, OJ Mining combines cutting-edge fabrication workshops with advanced machinery and tools, alongside mobile engineering teams that can be deployed directly to mining sites. Additionally, the company maintains dedicated haulage capacity, enabling it to deliver end-to-end solutions that significantly cut project handoffs, reduce downtime, and prevent cost overruns that could affect project profitability and timelines.

FOUNDING VISION

The founding vision of OJMiningProjects is to become the most trusted and preferred partner for mines requiring technically rigorous, safety-focused execution and predictable, reliable delivery schedules.

This vision is driven by a commitment to operational excellence, safety standards, and innovative solutions that evolve with the industry’s needs.

VALUE PROPOSITION

At its core, OJMiningProjects offers a comprehensive value proposition through its integrated service model. The company designs and fabricates structural and process-critical steelwork in accordance with strict quality and safety standards.

Once fabrication is complete, it promptly mobilizes transport and installation resources to execute quick, safe turnarounds directly at mining locations. This integrated approach reduces client coordination burdens, shortens overall project timelines, and boosts asset uptime, thereby enhancing operational efficiency.

CORE CAPABILITIES

Operationally, OJMiningProjects has developed strong capabilities across several areas, including the fabrication of ferrous and non-ferrous metals, mine-specific transport logistics, and strict compliance with regulatory standards.

These skills enable the company to serve demanding environments such as Rhovan Mine and other complex sites with a single, accountable contractor, simplifying project management and ensuring high-quality results.

GROWTH & MARKET POSITION

As a privately owned company structured as a Pty Ltd entity, OJMiningProjects has shown impressive growth. Currently, it is expanding its operations, with monthly revenues surpassing R1.8 million, indicating a strong product-market fit and a promising pipeline of future projects.

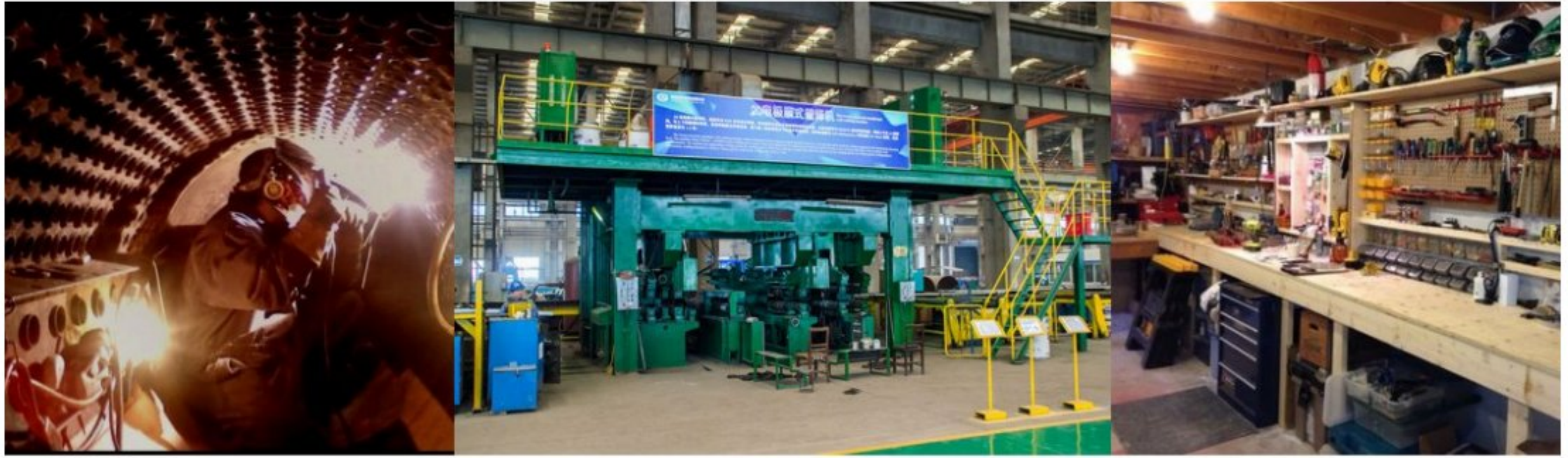
The ongoing capital maintenance cycles within the South African mining sector, combined with a strategic focus on collaborating with local suppliers, provide a clear and sustainable growth path.

LOOKING FORWARD

OJMiningProjects plans to strengthen strategic partnerships with mines, expand its fabrication capacity, and add more value-added engineering services.

These initiatives will help the company secure larger project scopes, replicate its successful integrated model across other regional mining operations, and establish itself as the leading provider of integrated steel fabrication, engineering, and logistics solutions tailored for the South African mining industry.

OUR SERVICES



- **BOILER SHOP**

- Heavy earthmoving buckets, bins, and machinery fabrication and repairs
- Forks, slag buckets, quick attachments, etc.
- Hardened sleeves, fabrication on pins and bushes, etc.
- Fabrication; sheet metal, alloy, and mild steel work.
- Welding and fabrication with stainless steel and aluminum.
- profile line boring, bending, and rolling

- **MACHINERY SHOP**

- Installation and shutdown are part of plant maintenance.
- Construction of plant systems, including hoppers, conveyors, screens, etc.
- Turning, milling, shaping, drilling; machining.
- Fabrication of pneumatic and hydraulic cylinders.
- Refurbishing of pressure and flow pumps, sludge pumps, and hydro pumps.
- profile line boring, bending, and rolling

• HDPE PIPING & WELDING



Additionally, we provide highly regarded and qualified labor hire maintenance crews. Electricians, boilermakers, fitters, etc.

Welding HDPE (High-Density Polyethylene) pipes and installations involves joining HDPE pipes and fittings using heat and pressure. Here's an overview:

HDPE Welding Methods:

1. Butt Fusion Welding: Most common method, using a butt fusion machine to heat and join pipe ends.
2. Electrofusion Welding: Uses an electrofusion fitting with built-in heating elements to join pipes.
3. Socket Fusion Welding: Similar to butt fusion, but used for smaller diameter pipes.
4. Extrusion Welding: Used for repairing or joining HDPE sheets or large pipes.

HDPE Welding Equipment:

1. Butt fusion machines
2. Electrofusion units
3. Socket fusion tools
4. Extrusion welders
5. Heat guns and welding rods

Welding Procedures:

1. Prepare pipe ends (cleaning, deburring)
2. Align and clamp pipes
3. Apply heat and pressure
4. Hold under pressure for specified time
5. Inspect welds (visual, pressure testing)

Safety Considerations:

1. Wear protective gear (gloves, safety glasses)
2. Ensure proper ventilation
3. Follow manufacturer guidelines
4. Use qualified personnel

Applications:

1. Water and gas distribution
2. Sewer and drainage systems
3. Industrial piping (chemical, oil and gas)
4. Mining and irrigation systems

• **STEEL FABRICATION**

- Design and manufacturing of steel structures and equipment for mining and industrial applications
- Custom fabrication of steel components, such as tanks, hoppers, and chutes
- Welding and assembly of steel components
- Surface treatment and coating of steel products
- Installation and commissioning of fabricated steel products

Their steel fabrication services cater to various industries, including:

- Mining (underground and surface mining)
- Materials handling
- Industrial processing
- Construction

OJ Mining's steel fabrication capabilities enable them to provide tailored solutions to meet specific customer requirements, ensuring high-quality and durable products.

Types of Maintenance:

1. Preventive Maintenance (PM): Scheduled tasks to prevent equipment failure.
2. Predictive Maintenance (PdM): Monitoring equipment condition to predict potential failures.
3. Corrective Maintenance: Repairing or replacing faulty equipment.
4. Routine Maintenance: Regular tasks, such as cleaning, lubricating, and inspecting.
5. Mechanical Maintenance: Pumps, valves, and piping maintenance.

Specific Tasks:

1. Equipment inspections (daily, weekly, monthly)
2. Lubrication and greasing
3. Wear part replacement (e.g., crusher liners)
4. Thermal imaging and temperature monitoring
5. Vibration analysis and balancing
6. Electrical motor maintenance (rewinding, bearing replacement)
7. Control system software updates and calibration
8. Safety inspections (e.g., fire suppression systems)

Benefits of Effective Maintenance:

1. Increased equipment uptime
2. Reduced downtime and production losses
3. Improved product quality
4. Enhanced safety and reduced risk
5. Extended equipment lifespan
6. Cost savings through reduced maintenance and repair

Challenges:

1. Scheduling maintenance during production downtime
2. Managing spare parts inventory
3. Training and retaining skilled maintenance personnel
4. Balancing maintenance costs with production demands
5. Ensuring compliance with regulatory requirements

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