



RSA +2776 747 9075 DRC +24383 488 5299 SALES@PETROBUILD.CO.ZA

Avenue NADIA WETU, Quartier Joli Site -Cité du Park, Commune Annexe, Ville de Lubumbashi, Province du Haut Katanga DRC

Prefabricated housing has transformed the way mining and exploration camps are developed and operated.

Its advantages in speed, cost efficiency, flexibility, worker welfare, sustainability, and logistical simplicity make it the ideal infrastructure solution for remote operations.

For exploration companies, prefab camps enable rapid mobilization and operational agility.

For established mining operations, they provide scalable, durable, and efficient long-term accommodation and support infrastructure.

As mining operations continue to expand into increasingly remote and challenging regions, prefabricated housing will remain a critical component of modern resource development strategies.

The combination of:

- Faster deployment
- Lower operational costs
- Improved worker living conditions
- Reduced environmental impact
- Long-term flexibility



ensures that prefab housing is not simply an alternative construction method, but a strategic operational advantage for the mining industry.



Category	Benefit of Prefab Housing	Impact on Mining & Exploration Camps
Speed of Deployment	Rapid manufacturing and installation	Camps can be operational in weeks instead of months, enabling faster project startup and earlier exploration or production activities.
Reduced Construction Time	Off-site fabrication while site preparation occurs simultaneously	Minimizes delays caused by weather, labour shortages, or remote site conditions.
Cost Efficiency	Lower overall construction and operational costs	Reduces labour, transport, equipment rental, and material wastage expenses.
Budget Predictability	Factory-controlled production costs	Improves financial planning and reduces risk of cost overruns.
Mobility & Relocatability	Easily dismantled and moved	Ideal for temporary exploration camps and mobile drilling operations.
Reusable Infrastructure	Modules can be reused across multiple projects	Maximizes return on investment and reduces long-term capital expenditure.
Scalability	Camps can be expanded modularly	Infrastructure can grow alongside workforce and production requirements.
Flexibility	Customizable layouts and functions	Accommodation, offices, clinics, kitchens, and workshops can all be integrated into one modular solution.
Remote Location Suitability	Designed for difficult terrain and isolated areas	Simplifies construction in deserts, mountains, bushveld, and undeveloped mining regions.
Transport Efficiency	Containerized and flat-pack options	Reduces logistical challenges and transportation costs to remote sites.
Reduced On-Site Labour	Most work completed in factory environments	Lowers accommodation and management requirements for construction workers on-site.

Improved Worker Welfare	Comfortable living conditions	Enhances morale, productivity, retention, and mental wellbeing of workers in isolated environments.
Modern Amenities	Air conditioning, insulation, internet, ensuite bathrooms	Provides better living standards compared to traditional temporary camps.
Health & Safety	Controlled manufacturing standards	Reduces construction accidents and improves compliance with mining safety regulations.
Hygienic Facilities	Integrated sanitation and ventilation systems	Improves workforce health and reduces illness risks.
Durability	Engineered for harsh mining environments	Withstands extreme heat, rain, dust, wind, and corrosive conditions.
Low Maintenance	High-quality factory-built components	Reduces ongoing repair and maintenance costs.
Environmental Sustainability	Reduced site disturbance and waste	Supports ESG objectives and minimizes environmental impact.
Energy Efficiency	Compatible with solar and efficient insulation systems	Reduces fuel and power consumption in remote camps.
Reduced Carbon Footprint	Fewer deliveries and shorter construction timelines	Lowers greenhouse gas emissions associated with construction activities.
Site Rehabilitation	Relocatable structures leave minimal permanent impact	Simplifies mine closure and environmental restoration.
Operational Standardization	Uniform camp designs across multiple sites	Simplifies maintenance, procurement, and workforce management.
Faster Expansion Projects	Additional modules can be added quickly	Supports rapid workforce increases during production growth phases.

Improved Logistics Management	Simplified supply chain and installation	Reduces delays caused by difficult road access or remote operations.
Reduced Project Risk	Less dependency on weather and site conditions	Improves project scheduling reliability and operational continuity.
Compliance Ready	Designed to meet international standards	Supports compliance with mining, environmental, and occupational regulations.
Multi-Purpose Use	Can serve as offices, clinics, kitchens, or accommodation	Provides complete camp infrastructure solutions from a single system.
Ideal for African Mining Conditions	Suitable for regions with limited infrastructure	Supports operations across DRC, Zambia, Namibia, Botswana, Mozambique, and other mining regions.
Enhanced Security	Controlled layouts and modular perimeter integration	Improves camp access control and worker safety.
Future-Proof Infrastructure	Compatible with smart systems and renewable energy	Supports modern mining operations focused on sustainability and technology integration.



Description	Model	Model	Model	Model	Model	Model
	S6241	6301	S96301	S12301	S15341	S18341
Length (ext)	5 820	5 820	9 300	11 620	15 100	17 420
Length (int)	5 740	5 740	9 220	11 540	15 020	17 340
Width (ext)	2 420	2 990	2 990	2 990	3 580	3 580
Width (int)	2 260	2 910	2 910	2 910	3 500	3 500
Height (int)	2 400	2 400	2 400	2 400	2 400	2 400
Electrics	Standard	Standard	Standard	Standard	Standard	Standard
Aluminium Windows	Standard	Standard	Standard	Standard	Standard	Standard
Vinyl Floor	Standard	Standard	Standard	Standard	Standard	Standard
Wall Insulation	Standard	Standard	Standard	Standard	Standard	Standard
Roof Insulation	Standard	Standard	Standard	Standard	Standard	Standard
<i>All dimensions given in mm)</i>						

TRANSPORT & HANDLING

To ensure a smooth and efficient delivery process, the following site requirements must be considered prior to installation:

The site must be level and properly compacted, with a maximum slope tolerance of 200 mm לאורך the unit length and 100 mm across the width.

Access to site must accommodate abnormal load transport vehicles. Any trees, overhead obstructions, or site obstacles that may restrict access should be removed before delivery.

Entrance gates must provide a minimum clear width of 4 metres. For larger units (9 m and above), trucks require a straight approach of at least 25 metres to safely position and offload the unit.

Units are positioned on trestles and initially levelled to ensure correct door operation. Final levelling remains the client's responsibility unless siting and levelling services are arranged through Petrobuild.

Pre-delivery site inspections can be arranged on request to verify accessibility and positioning requirements.

All lifting, loading, and offloading equipment used during transport and installation is fully certified and load tested for safety and compliance.