

BOLTCARGO

CASE STUDY

Moving the Heaviest Cargo Ever Recorded in Guyana

Transportation, barging & precision placement of nine power transformers — including a 241 MT single-piece unit — for a national power infrastructure project.



Project Snapshot

Client	India's largest EPC company
Country	Guyana
Port of Discharge	Georgetown
Project	Transportation & storage of nine (9) transformers and accessories
Cargo	2 x 241 MT transformers, 4 x 59 MT transformers, 3 x 46 MT transformers, and accessories

241 MT
Heaviest single-piece transformer moved

3,300
Manhours spent on logistics operations

9
Transformers & accessories handled

ZERO
Incidents or cargo damage recorded

At a Glance

This shipment was recorded as the heaviest cargo ever to arrive in Guyana. Boltcargo was engaged end-to-end — from vessel discharge through inland transport, river barging, and final foundation placement — for a critical power-plant infrastructure build.



The 241 MT transformer, the heaviest single piece of cargo ever recorded in Guyana, staged on a multi-axle trailer at the port.

Scope of Work

Boltcargo's scope spanned safe receipt of cargo from the vessel through discharge operations, road movement of transformers weighing up to 241 MT across challenging industrial routes, and precision offloading and foundation placement.

Key Aspects

- Transport of 2 x 241 MT transformers using Goldhofer modular trailers
- Offloading and placement using a Jack & Slide system with 500 MT + 400 MT cranes
- Transport of 4 x 59 MT and 3 x 46 MT transformers via 8-axle lowboy trailers and hydraulic cranes
- Transport of 2 x 59 MT and 3 x 46 MT units from the East Bank storage facility to the West Bank of the Demerara River via certified barging operations
- Transport of accessories and jerricans via flatbeds, forklifts, and telehandlers
- Full traffic management, route escort, and on-site supervision throughout
- Warehousing of transformer oil, accessories, and packing boxes for 15 months at the JFL warehouse facility



18-line Goldhofer modular trailer moving a 241 MT unit through the port.



Tandem mobile cranes positioning a transformer at the substation.

18-Axle Goldhofer Trailer in Transit



The 18-axle Goldhofer trailer en route along the access road, and staged at the port yard ahead of onward transport.

Execution Strategy & Safety

Execution Strategy

- Comprehensive route survey, permit coordination, and equipment readiness checks
- Pre-operation safety briefings and weather assessments
- Controlled-speed convoy operations with police escorts and real-time supervision
- Offloading using synchronized tandem lifts and Jack & Slide systems
- Telehandlers and forklifts deployed for accessory handling

Safety & Contingency Measures

- All crew in full PPE with strict adherence to safety procedures
- Radio and hand-signal communication systems throughout
- Standby tractor units and workshop support teams on call
- Defined tyre, axle, and ground-failure protocols
- Spill kits and environmental safeguards on-site



Night lift of a transformer into final position at the substation.



Synchronized tandem crane lift during offloading operations.

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Key Equipment Deployed

- 18-line Goldhofer modular trailer (for the 241 MT transformers)
- 8-axle lowboy trailers (for the 59 MT transformers)
- Mercedes tractor trucks as prime movers
- 500 MT and 400 MT cranes for synchronized tandem lifting
- Jack & Slide system for precision foundation placement
- 130 MT cranes, 10 MT telehandler, 15 MT forklift, and flatbed trailers



Transformers secured in the vessel's hold prior to discharge.



Crew rigging a transformer for lift-off at the foundation site.



Ship-mounted crane lifting a transformer unit directly from the vessel at the port of Georgetown.

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River Barging Operations

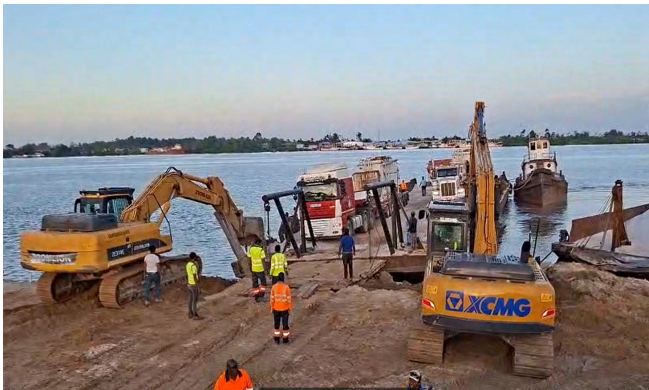
A portion of the transformer fleet required onward transport from the East Bank storage facility to the West Bank of the Demerara River. Boltcargo secured certified barges and coordinated a full river-crossing operation, including sand-ramp loading points, escort vessels, and heavy plant support on both banks.



Transformer accessories loaded on a barge for the river crossing at dusk.



Excavator support preparing the sand ramp for barge loading.



Heavy plant positioned on both banks of the Demerara River to support the crossing.



The barge underway across the river with cranes and support vehicles aboard.

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Port Operations & Warehousing

Beyond transport and placement, BoltCargo's scope extended to comprehensive port-side handling and long-term storage. Transformer oil, accessories, and packing boxes were securely warehoused for 15 months at the JFL warehouse facility, supporting the project's phased delivery schedule.

Port Discharge Operations



Shore cranes and ship gear working in tandem to discharge transformer cargo at the port of Georgetown.

Vessel Hold Lift-Out



Aerial view of a transformer being lifted directly from the vessel's hold onto the quay.

Convoy Escort Vehicle



A dedicated escort vehicle leading the convoy and displaying official transit permits.

Transformer Oil Drums in Transit



Transformer oil drums secured aboard the vessel ahead of transfer to long-term storage.

Tandem Lift at JFL Warehouse



Two mobile cranes performing a synchronized tandem lift at the JFL warehouse facility.

Project Outcome & Achievements

- Zero incidents or cargo damage throughout transport and lifting
- Successful placement of all transformers within schedule
- Full compliance with lifting and transport safety standards
- Demonstrated heavy-lift capability for ultra-heavy, oversized cargo
- Strengthened Boltcargo's position in South American & African EPC logistics

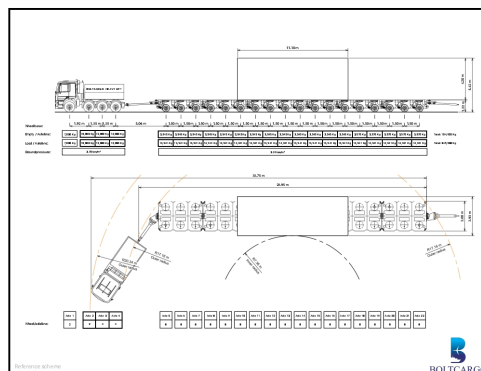


A transformer in its final position on the substation foundation.

Boltcargo: Delivering Heavy-Lift Excellence

From meticulous route engineering to synchronized heavy-lift execution, Boltcargo continues to deliver safe and reliable solutions for global EPC clients.

Contact: info@boltcargo.com | www.boltcargo.com



Reference scheme: 18-axle Goldhofer modular trailer configuration, axle loads, and turning geometry.