



UPSTREAMTM

TECHNOLOGY

OFFSHORE CONTAINERS & TRANSPORT CAGES

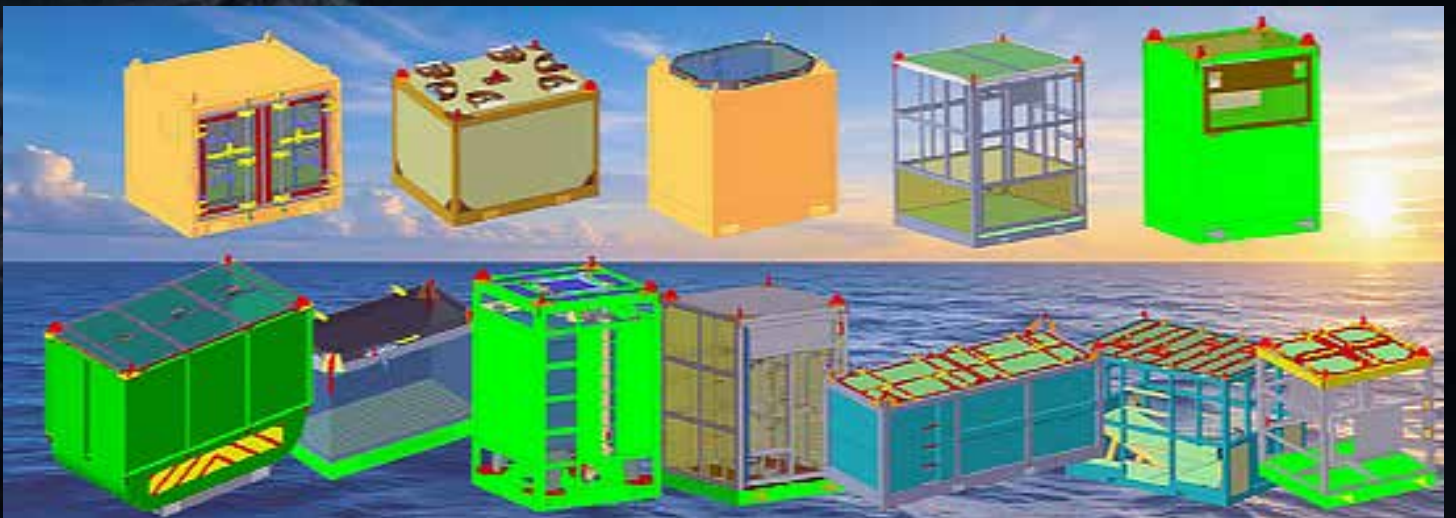
Engineered for the safe transport, storage and handling of equipment, consumables, waste streams and critical spares in demanding offshore environments.

Designed, certified and built to support safe, efficient marine operations.



WHY CHOOSE UPSTREAM TECHNOLOGY SOLUTIONS?

- ▶ Designed, certified and built to DNV Standards (DNV-ST-E271 Ed March 2023)
- ▶ Engineered for harsh marine environments
- ▶ Proven operational reliability
- ▶ 24 Transport Cage Designs Available - Alternate Designs available on request
- ▶ Improve the Safety Levels and Efficiency of your Offshore Logistics Operations Today!



1. GENERAL CAGE 1

Safeguard Critical Components

A heavy-duty container designed for the safe handling, transportation, and temporary storage of large spare components and critical vessel equipment.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Open-frame design**
Suitable for handling oversized or irregularly shaped components.
- ▶ **Grating floor and mesh side protection**
Prevents loose items from shifting or falling during transport.
- ▶ **Secure cargo restraint capability**
Designed to accommodate tie-down arrangements for safe transportation of heavy components.
- ▶ **Efficient logistics handling**
Compatible with standard lifting and material handling equipment.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
2,100 × 2,100 × 2,700 mm	913 kg	S355J0	TAS000030C

2. GENERAL CAGE 2

Safeguard Critical Components

Similar to General Cage 1, with a reduced overall height for applications requiring a more compact profile.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Open-frame design**
Suitable for handling oversized or irregularly shaped components.
- ▶ **Grating floor and mesh side protection**
Prevents loose items from shifting or falling during transport.
- ▶ **Secure cargo restraint capability**
Designed to accommodate tie-down arrangements for safe transportation of heavy components.
- ▶ **Efficient logistics handling**
Compatible with standard lifting and material handling equipment.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
2,200 × 2,200 × 2,275 mm	1,460 kg	S355J0	TAS00002ZZ

3. GENERAL CAGE 3

Safeguard Critical Components

Heavy-duty transport cage with a reinforced frame and higher payload capacity compared to General Cage 2, designed for heavier machinery, components, tools, and critical spares onboard mining vessels.



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Open-frame design**
Suitable for handling oversized or irregularly shaped components.
- ▶ **Grating floor and mesh side protection**
Prevents loose items from shifting or falling during transport.
- ▶ **Secure cargo restraint capability**
Designed to accommodate tie-down arrangements for safe transportation of heavy components.
- ▶ **Efficient logistics handling**
Compatible with standard lifting and material handling equipment.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,500 × 1,300 × 1,615 mm	2,000 kg	S355J0	DVR-P5994-J-11499

4. GENERAL CAGE 4

Safeguard Critical Components

Compact and high-capacity container designed for the safe transport and storage of heavier machinery, tools, components, and critical vessel spares.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Open-frame design**
Suitable for handling oversized or irregularly shaped components.
- ▶ **Grating floor and mesh side protection**
Prevents loose items from shifting or falling during transport.
- ▶ **Secure cargo restraint capability**
Designed to accommodate tie-down arrangements for safe transportation of heavy components.
- ▶ **Efficient logistics handling**
Compatible with standard lifting and material handling equipment.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
2,000 × 1,890 × 2,290 mm	5,500 kg	S355J0	DVR-346.1J-11750

5. WASTE SKIP

Safe, reliable offshore waste handling

A purpose-built offshore container for controlled collection, temporary storage and transfer of operational waste between mining vessels and shore.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Certified offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Durable steel construction**
Suited to demanding marine service.
- ▶ **Flexible logistics**
Four-legged wire-rope sling and fork pockets for empty handling.
- ▶ **Protected containment**
UHMW polyethylene top protection and enclosed waste storage.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
2,132 × 1,102 × 1,512 mm	1,468 kg	S355J0	TAS00001NU

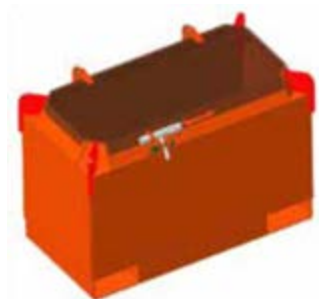
6. BALL BIN

Safe, reliable grinding steel balls handling

A purpose-built offshore ball bin for the secure transport, temporary storage and controlled transfer of steel grinding balls used in onboard milling operations.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Certified offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Durable steel construction**
Suited to demanding marine service.
- ▶ **Controlled steel balls handling**
Storing and transferring steel grinding balls. Four-legged wire-rope sling and fork pockets for empty handling.
- ▶ **Hinged & lockable steel lid**
Robust top protection helps secure the steel balls during handling.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,012 × 512 × 698 mm	1,000 kg	S355J0	TAS0000YD

7. CHEMICAL CONTAINER

Secure, weather-resistant chemical supply transport

A fully enclosed unit for the safe transport and temporary storage of chemicals, featuring integrated ventilation and spill containment for enhanced safety and environmental protection.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Certified offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Durable steel construction**
Suited to demanding marine service.
- ▶ **Secure chemical transport**
Four-legged wire-rope sling and fork pockets for empty handling.
- ▶ **Sealed weather protection**
Sealed access doors help prevent water ingress and protect contents.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,500 × 1,220 × 1,320 mm	1,536 kg	S355J0	TAS000030B

8. MATERIAL CONTAINER

Secure, weather-resistant general supply transport

Purpose-built for the secure transportation and temporary storage of general supplies used on mining vessels. The fully enclosed design and sealed doors protect contents from water ingress and offshore handling conditions.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Certified offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Durable steel construction**
Suited to demanding marine service.
- ▶ **Secure general supplies transport**
Four-legged wire-rope sling and fork pockets for empty handling.
- ▶ **Sealed weather protection**
Sealed access doors help prevent water ingress and protect contents.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,500 × 1,220 × 1,320 mm	1,539 kg	S355J0	TAS000030B

9. FLOW BIN

Contain. Control. Transfer.

Purpose-built for the safe storage, transport, and discharge of used oil and liquid waste from mining vessels.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Certified offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Durable steel construction**
Suited to demanding marine service.
- ▶ **Flexible vessel logistics**
Compatible with crane lifting and empty handling by forklift.
- ▶ **Controlled liquid discharge**
Designed to support dependable flow, monitored filling and controlled discharge.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,315 × 1,315 × 1,980 mm	3,000 kg	S355J0	TAS00003D9

10. FOOD BIN

Reliable food supply logistics

Purpose-built for the safe transportation and storage of food supplies between shore and mining vessels, providing protection during offshore lifting and transfer operations.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Certified offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Durable steel construction**
Suited to demanding marine service.
- ▶ **Flexible vessel logistics**
Compatible with crane lifting and empty handling by forklift.
- ▶ **Protected food supplies**
Enclosed construction helps shield packaged provisions during transport and handling.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,255 × 990 × 1,355 mm	1,500 kg	S355J0	TAS0000375

11. TRANSFER CAGE

Fresh provisions. Securely transferred.

Safe offshore transport and storage of fresh vegetables for mining vessel catering.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Protected food transport**
Enclosed construction shields vegetables during lifting and transfer.
- ▶ **Ventilated containment**
Expanded mesh promotes airflow and allows quick visual inspection.
- ▶ **Safe offshore handling**
DNV-certified design with dedicated lifting points for vessel transfers.
- ▶ **Efficient vessel logistics**
Designed to support dependable flow, monitored filling and controlled discharge.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,232 × 1,000 × 1,770 mm	1,000 kg	S355J0	TAS000037F

12. GAS RACK

Reliable Gas Cylinder Handling

Designed for the safe transportation, handling, and temporary storage of gas cylinders required for welding, cutting, maintenance, and operational activities onboard mining vessels.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Safe offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Durable steel construction**
Heavy-duty steel frame provides protection against the demands of offshore operations and vessel handling.
- ▶ **Flexible vessel logistics**
Compatible with crane lifting and empty handling by forklift.
- ▶ **Secure cylinder restraint**
Integrated securing arrangements help keep gas cylinders stable during transport and lifting operations.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,400 × 1,400 × 1,982 mm	1,640 kg	S355J0	TAS00001F9

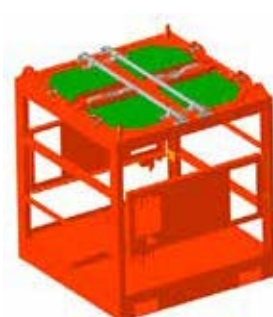
13. OIL RACK

Secure Offshore Oil Storage and Transfer

Designed for the safe transport and storage of oil drums between shore and mining vessels.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Safe offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Durable steel construction**
Heavy-duty steel frame with hinged vitaglass grating for protection.
- ▶ **Flexible vessel logistics**
Compatible with crane lifting and empty handling by forklift.
- ▶ **Efficient lubricant logistics**
Supports secure positioning, transport and temporary storage of oil drums.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,350 × 1,350 × 1,432 mm	1,000 kg	S355J0	TAS00001ES

14. WIRE CAGE

Secure, and Efficient Transport of Essential Equipment

The basket provides safe transport and storage of tools, spares, and supplies, featuring an open-top design for easy access and steel grating construction for secure containment and visibility.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Safe offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Secure grating containment**
Provides visibility while preventing equipment movement during transport.
- ▶ **Open-top access**
Enables faster loading, unloading, and inspection of cargo.
- ▶ **Flexible logistics solution**
Suitable for crane lifting, forklift handling, vessel transfers, and shore-side storage.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
3,200 × 1,000 × 1,100 mm	1,378 kg	S355J0	TAS00001ER

15. ENGINE BIN 1

Protecting Critical Spares

Designed to protect engine components during transportation, storage, and offshore lifting operations.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Safe offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Fully enclosed steel construction**
Protects components from weather, salt spray, dust, and mechanical damage.
- ▶ **Secure lockable access lid**
Prevents unauthorized access and enhances asset security.
- ▶ **Spacious interior storage area**
Accommodates a wide range of spare parts, tools, and maintenance equipment.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
1,800 × 1,400 × 1,352 mm	2,000 kg	S355J0	TAS000037H

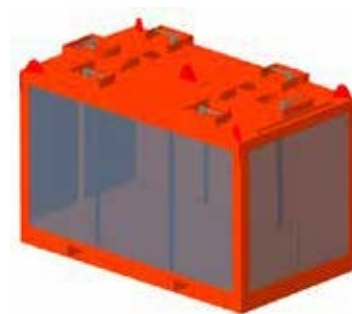
16. ENGINE BIN 2

Protecting Critical Spares

Similar to Engine Bin 1, with increased dimensions and payload capacity.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Safe offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Fully enclosed steel construction**
Protects components from weather, salt spray, dust, and mechanical damage.
- ▶ **Secure lockable access lid**
Prevents unauthorized access and enhances asset security.
- ▶ **Spacious interior storage area**
Accommodates a wide range of spare parts, tools, and maintenance equipment.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
2,300 × 1,300 × 1,555 mm	2,500 kg	S355J0	TAS000037E

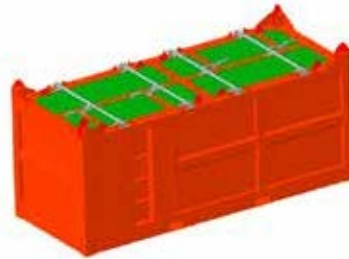
17. HPU CAGE

Safeguard HPU Motors

The cage provides secure transport and storage of HPU motors, featuring internal restraints and tie-down points to ensure stability and protection throughout handling operations.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Safe offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Forklift & crane handling capability**
Designed for efficient quayside, warehouse, and vessel handling.
- ▶ **Removable top protection**
Facilitates vertical loading and unloading of the HPU motor.
- ▶ **Protective storage**
Provides safe temporary storage of critical crawler HPU motors between deployments.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
3,650 × 1,480 × 1,695 mm	4,500 kg	S355J0	DVR-P5994-J-10160

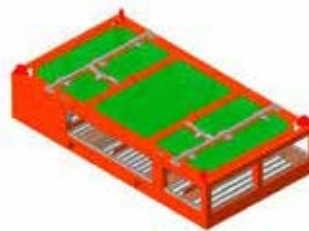
18. PLATE RACK

Safe Plate Handling

The plate rack is a robust, purpose-built designed for the safe handling, transportation, and storage of steel plates.



AS BUILT UNIT



3D CAD MODEL

KEY FEATURES & BENEFITS:

- ▶ **Safe offshore handling**
DNV certificate with dedicated lifting points.
- ▶ **Integrated plate retention**
Secure clamping and restraint arrangement prevents shifting during transport.
- ▶ **Removable top protection**
Simplifies loading and retrieval activities.
- ▶ **Low center of gravity design**
Enhances transport stability.

EXTERNAL DIMENSIONS	PAYLOAD	STRUCTURAL MATERIAL	DNV CERTIFICATE
2,650 × 1,400 × 612 mm	1,600 kg	S355J0	TAS000047D

CONTACT US

 +27 21 658 3229
 UPSTREAMSALES@DEBEERSGROUP.COM

JOHANNESBURG, WEST CAMPUS | RECOVERY FACILITY
Cnr Crownwood & Booyens Reserve Roads, Theta, Johannesburg, 2013

CAPE TOWN, GOLF PARK | HEAD OFFICE
DBM Gardens, Golf Park 2, Raapenberg Road, Pinelands, 7405