DSEC supplies whole SHIPBUILDING MATERIALS / SPARE PARTS / SHIPYARD FACILITIES to our overseas customers and keeps long-term relationship with major vendors in Korea and foreign countries.

### 01. Competitive Buying Power
- Strong purchasing power with the supplies of the material packages over for 100 vessels
- More than 40 procurement experts

### 02. Qualified Supplier Pool
- Continuous monitoring by quality management experts
- Factory Acceptance Test (FAT) before delivery

### 03. Global Standard Logistic Center
- E-SCM based real time supplier monitoring for On-Time Delivery
- Provide the best solution for logistics to our customer

#### Supply Chain Management (SCM)

- Inquiry
- Offer Price
- Purchase Order
- Vendors Quality Management
- Competative Price offer
- Power Supply Chain
- DSEC Logistic Center
- One-Stop Delivery
- Air
- Vessel
- Packing
- Inspection
- Warehousing
- Transport
# DSEC Material Supply List

## Hull Structure
- ANGLE
- CELL GUIDE
- HULL CASTING
- MANHOLE
- STEEL PLATE
- TWISTED, CURVED T-BAR, ANGLE

## Machinery
- ANODE
- AUTOFILTER
- BILGE PUMP
- BILGE WATER SEPARATOR
- CENTRIFUGAL PUMP
- CO2 FIRE EXTINGUISHING SYSTEM (HIGH PRESSURE)
- DIESEL GENERATOR ENGINE
- EM’CY GENERATOR SET
- ENERGY SAVING SYSTEM
- EXH GAS PIPE SPOOL
- EXPANSION JOINT (BELLOWS TYPE)
- FRESH WATER GENERATOR
- F.O.CHANGE OVER UNIT
- FLOW METER
- GAS WELDING MACHINE
- ELECTRIC WELDING MACHINE
- GEAR / SCREW PUMP
- HAND PUMP
- HIGH EXPANSION FOAM FIRE EXTINGUISHING SYSTEM
- HYD. COUPLING BOLT & NUT
- INDEPENDENT TANK
- INERT GAS GENERATOR
- LATHE
- MAIN ENGINE
- MARINE BOILER
- MGO CHILLER UNIT
- OIL DETECTOR
- PACKAGE UNIT
- PLATE TYPE HEAT EXCHANGER
- PROPELLER
- PROPELLER NUT
- PURIFIER
- RESIN CHOCK
- ROPE GUARD
- SALINITY INDICATOR
- SHAFT
- SHELL & TUBE TYPE HEAT EXCHANGER
- SILENCER
- TANK CLEANING SEAL BEARING
- TANK TOP UNIT
- TOP BRACING
- TROLLEY & CHAINBLOCK
- VENT
- VISCOSITY CONTROLLER
- WATER BASED LOCAL FIRE FIGHTING SYSTEM
- WORK SHOP EQUIPMENT

## Electricity
- ALTERNATOR
- ALTERNATIVE MARITIME POWER
- AUTO PILOT / GYRO COMPASS
- BATTERY
- BRIDGE MANEUVERING SYSTEM
- BAND BUCKLE (GALV, SUS304, SUS316)
- CABLE
- CABLE (MAIN) TRAY, ELEC SEAT, ELEC BOS
- CALLING AND ALARM SYSTEM
- CLOSED CIRCUIT
- TVINTERCOMMUNICATION
- CLOCK SYSTEM / SHORE COMMUNICATION SYSTEM
- SHIP COMPUTER SYSTEM
- CONTROL ALARM & MOTIONING SYSTEM
- ELECTRICITY GENERAL STOCK ITEM
- ENGINE CYLINDER PRESSURE MONITORING (MIP)
- FIRE DETECTION SYSTEM
- FIRE STOP FOR PENETRATION
- JUNCTION BOX
- LEVEL SWITCH & ELECTRIC SENSOR
- LIGHTING FIXTURES
- LOADING COMPUTER
- MAGNETIC COMPASS
- NAVIGATION & COMMUNICATION EQUIPMENT
- NAVIGATION & SIGNAL LIGHT CONTROL PANEL
- OIL MIST DETECTION
- REEFER CONT. SOCKET
- RUDDER ANGLE INDICATOR & ANEMOMETER
- SIGNAL LIGHT COLUMN
- SWITCHBOARD
- TRANSFORMER
- VSA & UHF
- WH & ECR CONSOLE
- WHISTLE

## General
- AIR VENT HEAD
- ANTI-RUST-OIL
- BOLT / NUT
- CABLE TRAY FB
- COPA SLIP
- EDUCATOR
- EXHIBITION MODEL
- GASKET / PACKING / O-RING
- GENERAL VALVE
- INSULATION SUPPORT / CANCAS COVER
- INSULATION (AES WOOL)
- LEVEL GAUGE
- PLASTIC CLAMP / STRAP
- QUICK CLOSING VALVE
- SILICONE
- TEMPERATURE & PRESSURE INDICATOR
- TOGGLE PIN, WIRE ROPE ASSEMBLY, SHACKLE
- VCI POWDER

2
### DSEC Material Supply List

#### Accommodation
- ACC. HARDWARE
- ACCOMMODATION JOINERY
- AIR CONDITION SYSTEM
- PROMOTION REF. PLANT
- PACKAGE AIR CON. SYSTEM
- CATERING FURNITURE
- CURTAIN
- DECK COVERING
- DEEP FAT FRYER FIRE FIGHTING SYSTEM
- DOOR
- DRINKING WATER FOUNTAIN & HOT WATER BOILER & GREASE TRAP
- ELECTRIC HEATER
- ELEVATOR
- FAN
- FRESH WATER SUPPLY UNIT (CALORIFIER, HEATING FILTER, STERILIZER)
- FIRE CONTROL PLAN BOX
- FIRE DAMPER
- FLEXIBLE HOSE
- FREON PIPE HOLDER
- FPR AWNING PLATE
- FURNITURE
- GALLEY & LAUNDERY EQUIPMENT
- GALLEY CO2 FIRE EXTINGUISHING SYSTEM
- GALLEY HOOD WITH FIRE EXT. SYSTEM FOR DEEP FAT FRYER & DUCT
- INSULATION (GLASS WOOL & MINERAL WOOL ETC)
- INSULATION (AES WOOL)
- MATTRESS
- MDF SKIRT
- NAME PLATE / BUILDER’S MARK / BOARD / METAL PHOTO
- WALL / CEILING PANEL
- PROVISION STORE
- PVC PIPE & FITTING
- PVC SKIRT
- QUARRY TILE
- REFRIGERANT LEAKAGE DETECTION & RECOVERY
- REFRIGERATOR (DOMESTIC)
- RUBBER MAT LINK TYPE
- SEWAGE TREATMENT PLANT
- UNIT TOILET
- VACUUM TOILET SYSTEM
- VARNISH SHEET
- WATERPROOF STEEL DOOR
- WOODEN GRATING

#### Hull Outfitting
- ACC. LADDER / SHORE GANGWAY
- AIR INTAKE TRUNK & LOUVER
- ANCHOR
- ANCHOR CHAIN
- CONTAINER PEDESTAL
- COAMING
- CRANE
- CRANET CAPSTAN / FIRE WIRE REEL
- DECK MACHINERY
- DRIPL TRAY
- EMERGENCY TOWING SYSTEM
- EXPANSION JOINT (DERSSOR TYPE)
- GAS RISER MAST
- HAND GRIP, STEP, NON SLIP BAR
- HANDRAIL
- HATCH
- HATCH COVER / LASHING BRIDGE
- INCLINED LADDER
- JIB REST
- LIFE BOAT
- LIFE BOAT DAVID
- LIFE SAVING EQUIPMENT
- LOOSE FIRE FIGHTING EQUIPMENT
- MACHINERY / MISCELLANEOUS SEAT
- MOORING FITTING
- MOORING ROPE
- NAUTICAL EQUIPMENT
- OCIF MANIFOLD PIECE
- PIPE SUPPORT
- PLATFORM / GRATING
- POST
- ROPE LADDER
- RORO EQUIPMENT
- RUDDER
- STEERING GEAR
- VALVE EXTENSION
- VERTICAL LADDER
- WINDLASS / WINCH SEAT

#### Hull Piping
- AIR COMPRESSOR
- AIR DRYER
- AIR RESERVOIR
- ANTI HEELING SYSTEM
- BALLAST WATER TREATMENT SYSTEM
- BILGE HAT
- BUTTERFLY VALVE
- CARGO MONITORING SYSTEM
- CARGO PUMPING SYSTEM
- COPPER PIPE WITH FITTING
- DECK PIECE (PENETRATION PIECE)
- FIXED GAS DETECTION SYSTEM
- FIXED VIBRATION MONITORING SYSTEM
- PIPE SPOOL (CS, SS, CO, CN, POLY, ALUMA)
- FLANGE (CS, SS, JIS, ANSI/DIN/PLATE/FORGING
- FLOODING DAMPER
- GRP PIPE SPOOL (INCLUDING PIPE, FITTING, FLANGE)
- HOPPER
- LOCAL CONTROL VALVE
- CONTROL VALVE
- SAFETY VALVE
- OIL DISCHARGE MONITORING SYSTEM
- ORIFICE PLATE FLANGE
- OVERFILL ALARM SYSTEM
- PIPE
- PROTECTION COVER FOR FLANGE
- PV VALVE (VOCON SYSTEM)
- ROSE BOX
- SHIP PERFORMANCE MONITORING SYSTEM
- SOUNDING CAP
- STRAINER & MUD BOX
- SPIRAL DUCT & SUPPORT
- SUCTION MOUTH FOR TANK
- TANK CLEANING MACHINE
- TANK LEVEL GAUGING SYSTEM
- THRUSTER
- VALVE REMOTE CONTROL SYSTEM
- VAPOR EMISSION CONTROL SYSTEM
- VOC REDUCTION SYSTEM
- SCUPPER & ROSE PLATE
- SINGLE CORE TUBE
- MULTI CORE TUBE (SUS304/316/316L, COPPER)
- TUBE SEALING CAP
- TUBE FITTING (MALE/FEMALE CONNECTOR, ELBOW, ADAPTER, UNION, FEMALE, NEEDLE VALVE, etc.)
- INVENTORY
- STEAM TRAP / SIGHT GLASS

#### Shipyard Facilities
- BENDING ROLL AND PRESS
- BLOCK LOADER AND LIFTER
- CRANE AND HOIST
- CUTTING MACHINE
- FLOATING EQUIPMENT
- HAND TOOL
- JIG AND SUPPORT
### Design & Procurement

<table>
<thead>
<tr>
<th>SHIPYARD</th>
<th>TYPE</th>
<th>SIZE</th>
<th>CLIENT</th>
<th>SCOPE</th>
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<td>Container</td>
<td>10,000 TEU</td>
<td>HAMBURG SUD, ZODIAC</td>
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<td>82K</td>
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| **DMH** | Container | 8,000 TEU | CAPITAL, ZODIAC | Total Design & Procurement | LR |
| | -6,000 TEU | CP OFFEN, HAMBURG SUD, NSB | Total Design & Procurement | GL |
| | 6,500 Units | HOEGH AUTOLINERS | Total Design & Procurement | DNV |
| | 112K | EMM, TSAKOS, MINERVA | Total Design & Procurement | ABS, DNV |
| | 180K | TSAKOS, ANGEL, CP OFFEN, SCORPIO | Total Design & Procurement | ABS, BV, KR |
| | 82K | LARUS, DALNAVE, KC MARITIME | Total Design & Procurement | ABS, BV, NK, LR |

| **NASSCO** | Bulk Carrier | 59K | R&T | Total Design & Procurement | LR |
| | 5,000 TWD | SEA CARGO | Total Design & Procurement | DNV |
| | 49K | U S. Navy | Total Design & Procurement | ABS |
| | 50K | APT, ACME | Total Design & Procurement | ABS |
| | 3,100 TEU | TOTE | Total Design & Procurement | ABS |
| | 3,500 TEU | MATSON | Total Design & Procurement | ABS |

| **SAFEBO** | Bulk Carrier | 38.5K | SAFEBO | Total Design | NK |
| **SPP** | Tanker | 50K | ITOCHU, TRANSMED, HELLENCSTAR | Total Design | ABS |
| | 49K | APT | Total Design | ABS |
| **SUNGDONG** | Tanker | 113K P/C | BYZANTINE | Total Design | LR |
| **SEHWANG** | LPG Carrier | 8K CBM | LAURITZEN KOSAN | Total Design | BV |
| **Qatar** | Floating Dock | - | Qatari Petroleum | Total Basic Design | LR |
| **NAVANTA** | Tanker | 156K | IBIAZABAL | Total Design & Procurement | LR |
| **BR** | FPSO | BW | New Development | ABS |
| **SANOVAS** | Tanker | Aframax | New Development | ABS |
| **IBOC** | Container | 11,000 TEU | SEASPAN | Ring Block Design | BV |

### Machinery & Spare Part Supply

<table>
<thead>
<tr>
<th>CLIENT</th>
<th>TYPE</th>
<th>NATION</th>
<th>ITEM</th>
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<tr>
<td><strong>CSSC</strong></td>
<td>SHIPYARD</td>
<td>TAIWAN</td>
<td>AUTOEXCHANGE TELEPHONE, COMMON BATTERY TELEPHONE</td>
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<td><strong>NASSCO</strong></td>
<td>SHIPYARD</td>
<td>USA</td>
<td>BLOCK LOADER, BLOCK LIFTER, MODEL SHIP, CABLE BINDING TOOL</td>
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<tr>
<td><strong>NAVANTA</strong></td>
<td>SHIPYARD</td>
<td>SPAIN</td>
<td>AUTO-ELECTRO GAS WELDING SYSTEM, GONDOLA SYSTEM, WELDING WIRE, LUG HANDLING MACHINE, LUG MILLING MACHINE</td>
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<tr>
<td><strong>ANGEL</strong></td>
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<td>GREECE</td>
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<td><strong>BALTMAN</strong></td>
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<td>UNIT TOILET, ABSORBER FOR WEATHER TIGHT DOOR</td>
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