Logistics Support Vessel HNoMS Maud

Sung Jin, Lee - DSME Ian Wakeling - BMT

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NORWEGIAN ARMED FORCES



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 - RAS
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THE LSV Delivery Team

BMT Group

NDLO CUSTOMER CONTRACT AUTHORITY

Operational Need Operational Environment Engineering Experience

DSME SHIPBUILDER PRIME CONTRACTOR

Design Overall Project Management Production Efficiency Test & Trial Delivery Warranty ILS

UK MARS Experience BMT BASIC DESIGN SUB CONTRACTOR

Auxiliary, Warship and Submarine Design and Through-Life Support

ILS Safety Management Systems Engineering



Commercial in Confidence



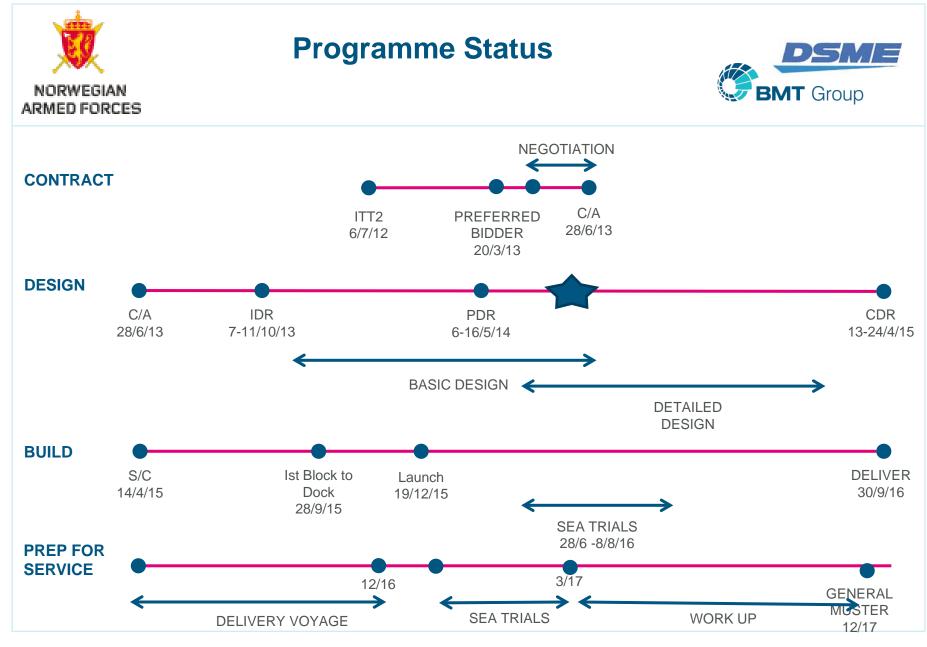
HOW WE WORK TOGETHER







Commercial in Confidence





LSV Capabilities and Particulars

Highly Flexible Multirole Vessel

- Replenishment at Sea: DFM F76, AVCAT • F44, Fresh Water, Stores, Ammunition,
- Support Ship for Norwegian Task Force: Nansen class frigate, Skjold-class corvettes, Mine countermeasure vessels, Ula-class submarine, Small craft (CB-90)
- Humanitarian Relief: hospital, containers •
- **Helicopter Operations**
- **Command Platform** •
- **Military Support**

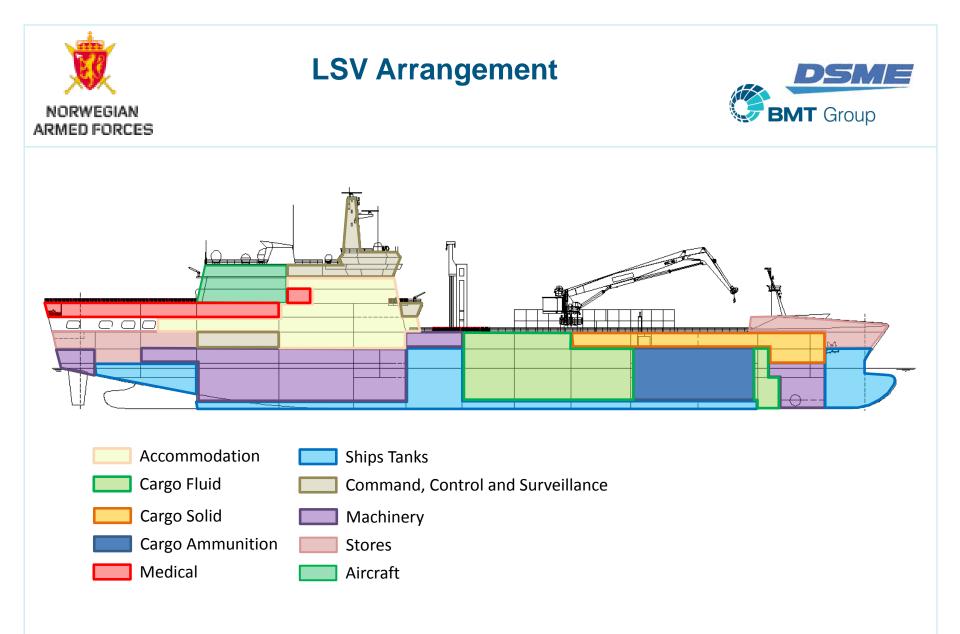
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Length overall	180.7 m
Beam:	25.9 m
Design draught	8.6 m
Speed	18 knots

Primary fluid cargo capacities: DFM F76: 7000 te / AVCAT F44: 300 te

Primary solid cargo capacities: 40x TEU / 200 te ammunition or a mix of vehicles and boats.

Dual abeam RAS rigs and stern reel 25 tonne SWL deck crane Side ramp Flight deck and hangar for organic NH90 (stowage for 2 x NH90) Large medical complex

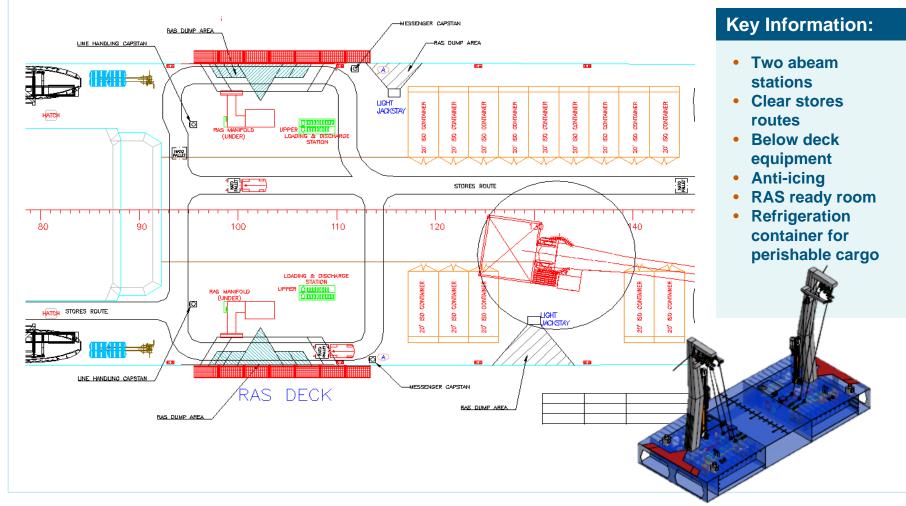




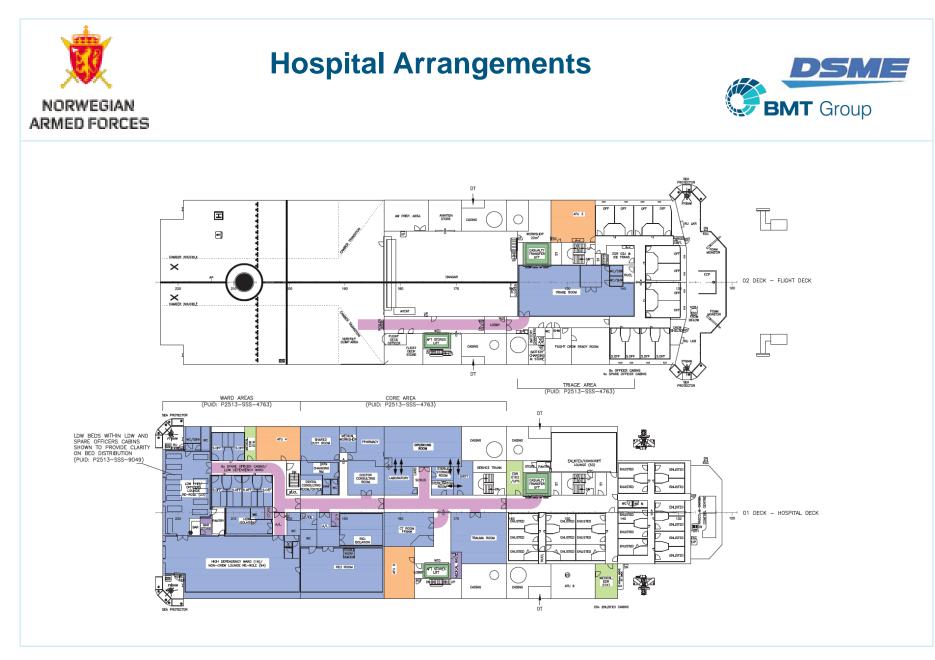
RAS Arrangement & Cargo Handling

Stroup







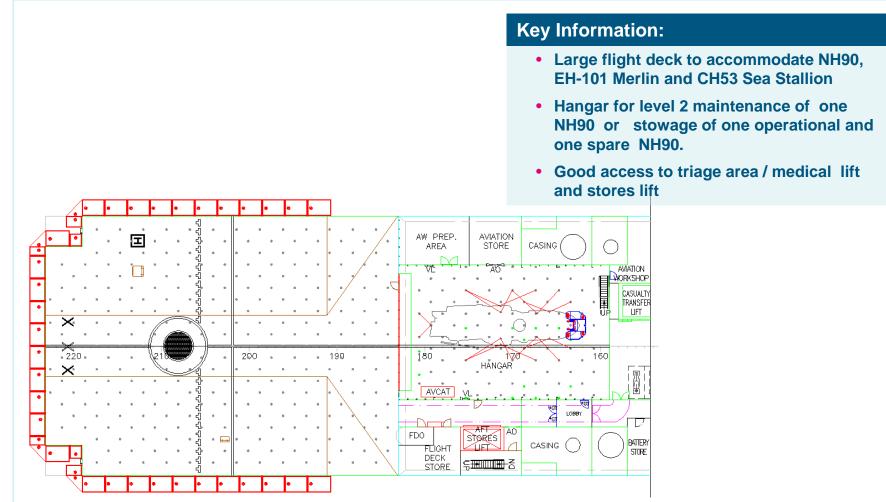






Aviation









Mother Ship



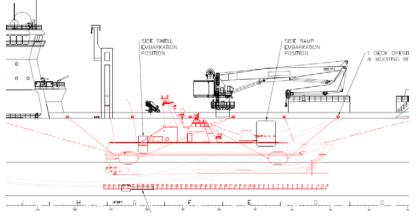
Key Information:

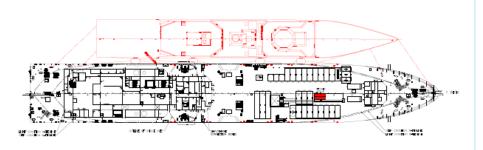
- Mooring for vessels and submarines
- alongside

5

- Side Access Doors
- Support cranes for replenishment
- Hose and Power Connections
- Support for Crews inc. Catering, Gym and Sauna











Integrated Weapon System



Key Information:

Navigation – Integrated Bridge (IBS)

- Full suite
- **Command & Control Systems**
 - ECDIS / AIS
 - Autopilot

Sensors

- Radars X/S Band and IFF
- Optical Bearing Device (OBD)
- Infra Red Camera
- Log

Integrated Communications System (ICS)

- External Communications
 - Strategic HF & MILSAT
 - Tactical V/UHF
 - Civil GMDSS
 - Security
- Internal Communications
- Information Systems





Operations Room Helicopter Control

- Helo Approach Radar
- Landing Aids

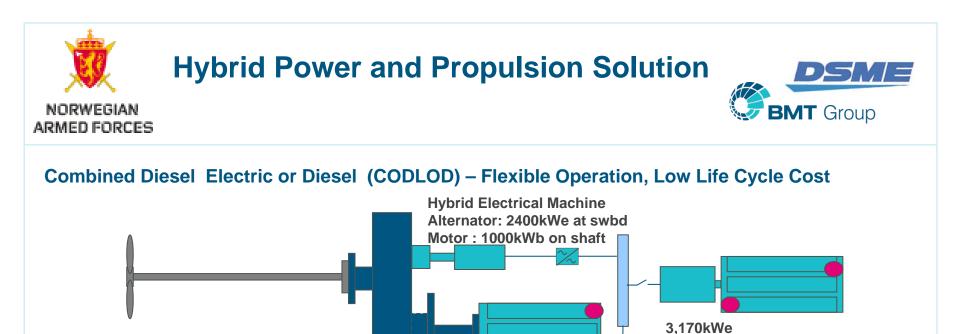
Weapons & Countermeasures

- 4 x Sea Protector (Future Installation)
- Small Arms

Integrated Platform Management System (IPMS)

• Damage Control





Main Diesel Engine

Main Diesel Engine

Hybrid Electrical Machine Alternator: 2,400kWe at

Motor : 1,000kWb on shaft

swbd

7,500kWb

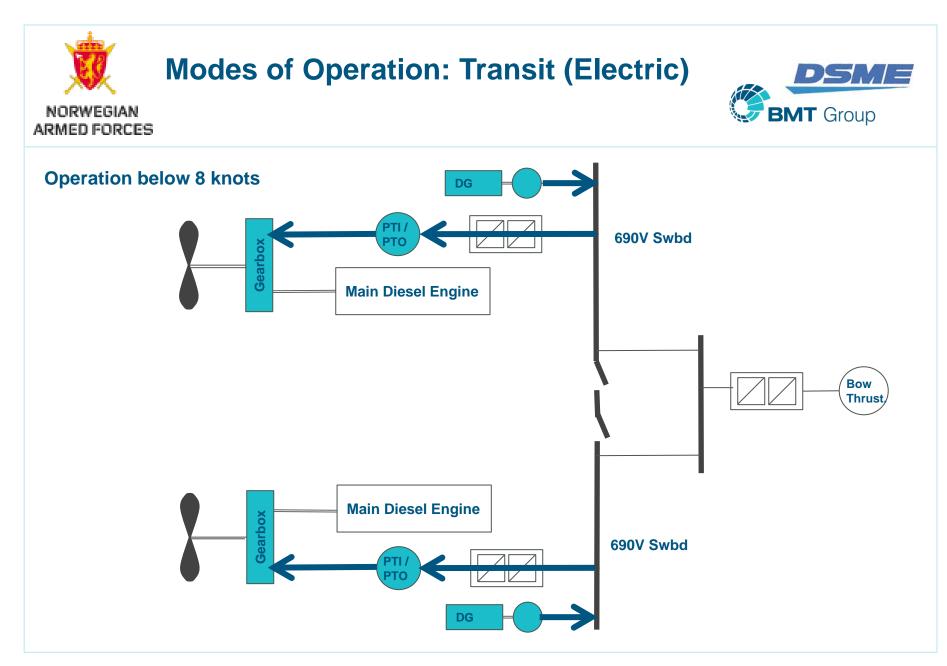
7,500kWb

Gearbox

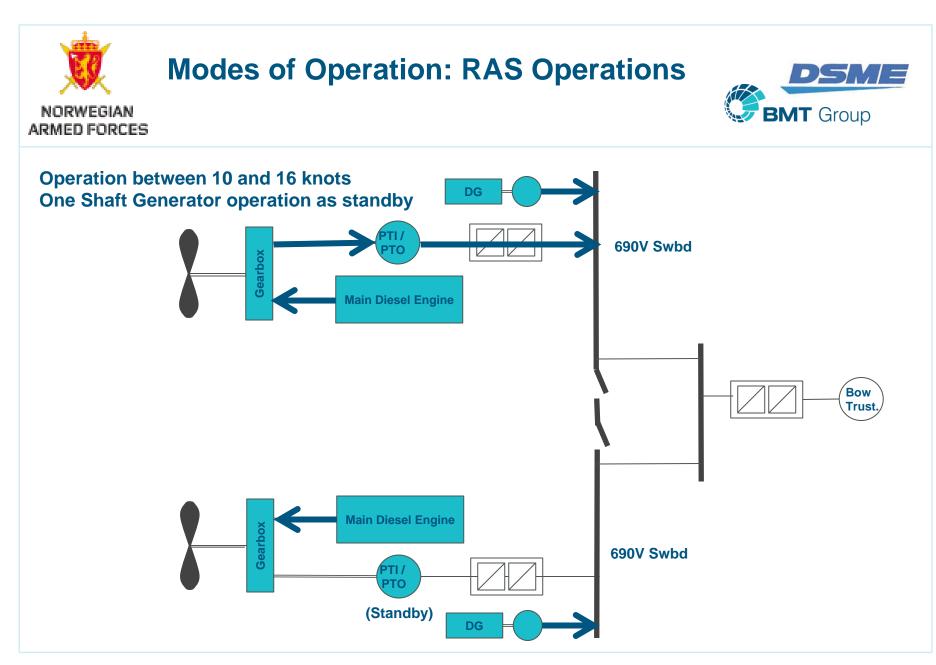
Genset

3,170kWe Genset

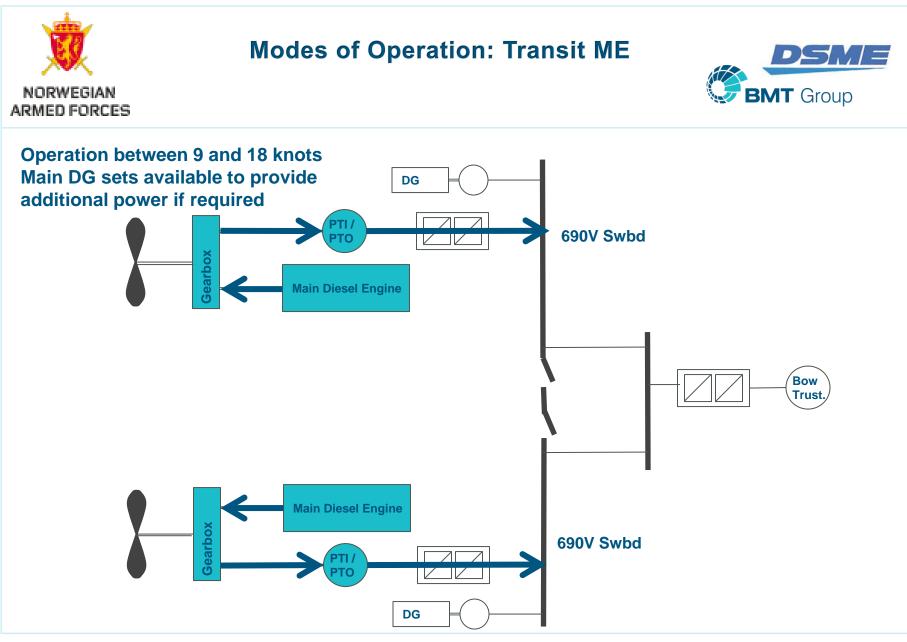


















What Next for LSV?



- Detailed Design
- Build
- Inspection, Tests and Trials
- Delivery
- Warranty With Support
- In Service Technical Support
 - Design Management
 - Equipment Management
 - Maintenance Management
 - Spares Management
 - Safety Analysis







What Next for DSME



- Modified Design for Australia
- New Zealand
- Other Countries
- Combatant and Non-combatant Ships
- Submarines
- In Service Support



Patrol Vessel – BMT design



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Thank you !!



