



LEONARDO

NAWSARH – the Leonardo integrated support role
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Norway Support Infrastructure





Infrastructure in Norway

The infrastructure supporting the NAWSARH programme, comprise of several operational and industry locations geographically dispersed across Norway. The facilities contain all required resource and capability in order to effect the Turnkey Undertaking with a logistics system in place to allow efficient connectivity.

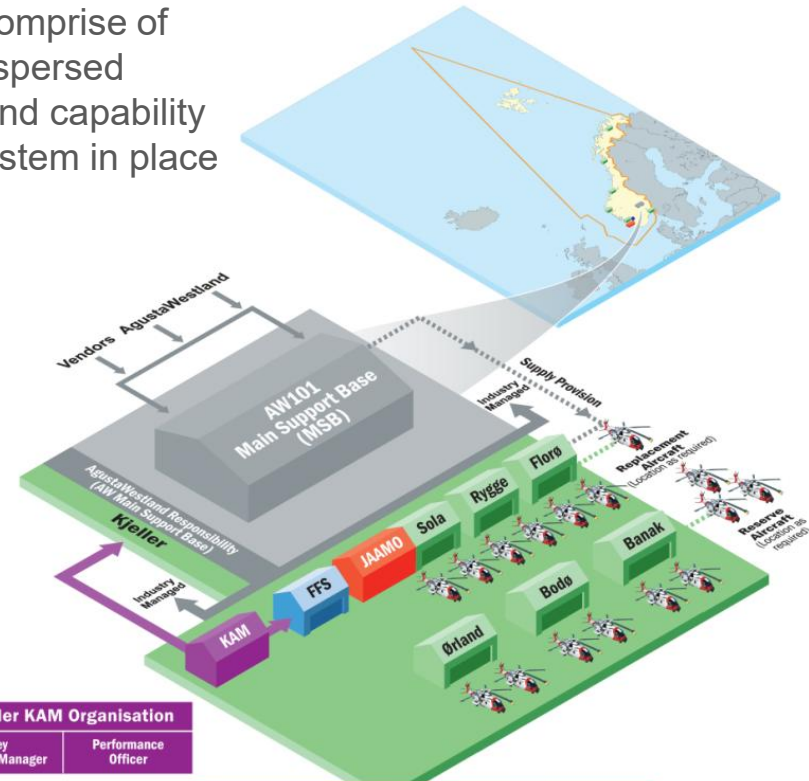
Through life the programme is headed by a Leonardo Key Account Manager with day to day operation the responsibility of the JAAMO, both located at RNoAF 330 Squadron leadership.

Supporting operations at each of the Bases are Leonardo technical and material officers.

Underpinning the maintenance and material provisions is the Main Support Base located in the south of Norway.

Training

In addition a Training facility has been established in Sola containing a level D Full Flight Simulator together with a System Operator Console Simulator allowing interlinked operations and simulation of the RNoAF Crew concept.



Provider KAM Organisation	
Key Account Manager	Performance Officer

JAAMO					Base	
Provider			Ministry		Provider	Ministry
Maintenance Manager	Technical Representative	Support Services Manager	AW101 Maintenance Manager	Quality Assurance Officer	Technical Officer	Logistics, Maintenance and Operational personnel
	Fleet Planner	Material Planner		AW101 Planner	Material Officer	





Information Environment System

The SAR Helicopter is operated on a fully electronic system, meaning no paper logbooks and ultimately full visibility of the SAR Helicopter status and usage across the programme and support community.

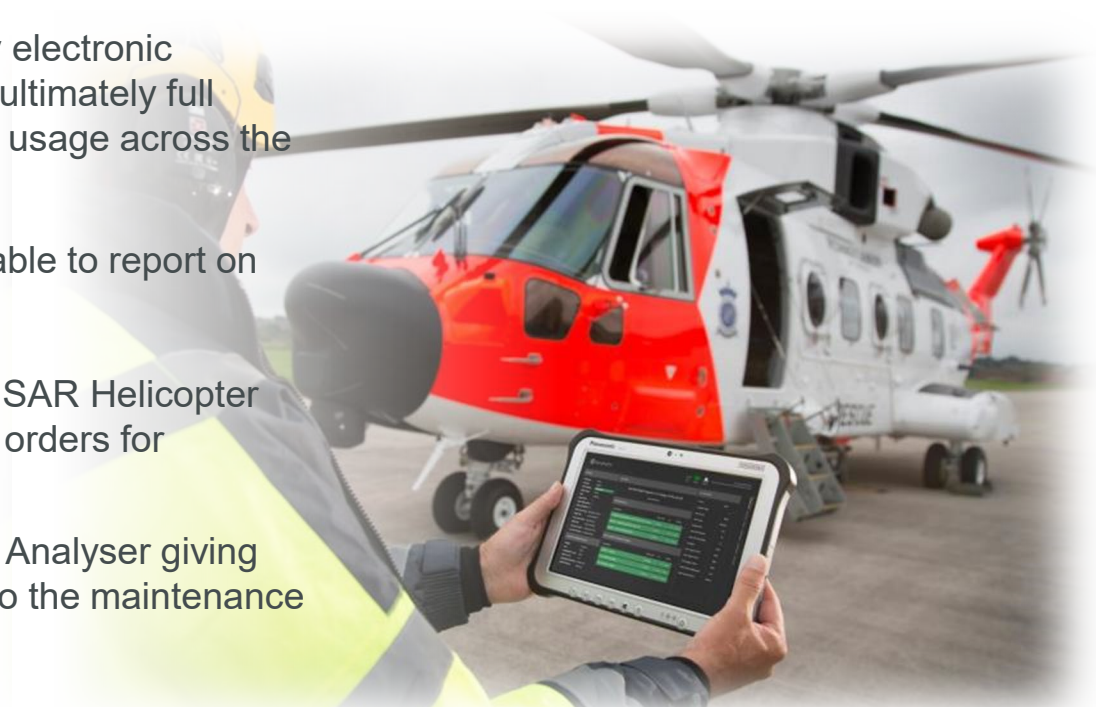
The SAR Helicopter is monitoring and is able to report on faults and exceedances.

These can be automatically logged in the SAR Helicopter electronic log book and so generate work orders for rectification.

All faults are mapped within a Fault Code Analyser giving clear diagnostic / rectification instruction to the maintenance organisation.

SAR Helicopter usage is automatically tracked and downloaded, post every sortie, driving the scheduled maintenance forecast. This enables the supporting elements of the programme to:

- i. Forecast material demand and adjust stock holdings.
- ii. Enable reliability analysis to inform areas of improvement and allow engagement with the design organisations to generate improvements.





Maintenance support

Leonardo have established a fully approved maintenance organisation in Norway with a large number of our maintenance personnel spending time at Leonardo facilities undergoing extensive training and gaining experience on the AW101-612 aircraft.

This organisation provides Base Maintenance services

This is an extensive activity which requires a skilled and dedicated workforce to achieve within an efficient timeframe to maximise serviceability to the operational fleet.

In addition Leonardo are working to develop a Repair and Overhaul (R & O) capability across a number of proprietary and Vendor components used on the AW101-612 aircraft.





logistics support

In addition to the maintenance and R&O support, Leonardo have established a centralised warehousing and logistics services within Norway.

The Main Support Base in Kjeller holds the Leonardo consignment stock and is managed exclusively for Leonardo with all stock movements for R & O and replenishment being processed through this central distribution centre.

All of this is controlled within the Leonardo SAP system having implemented the infrastructure and completed the training of logistics staff.



Leonardo have put in place contracts with leading freight handlers to manage routine, priority and Aircraft On Ground (AOG) material movements around Norway, to and from Bases, between Bases and processing for shipment to repair agents and Leonardo facilities.

The importance of this as a backbone to the service cannot be underestimated as it will be one of the key factors to success.



Summary

Leonardo have implemented a significant infrastructure in Norway to support high availability helicopter operations. These include:

1. Dedicated local Leonardo resource
2. Maintenance personnel and facilities
3. Logistics and warehousing
4. Strategic partnering with Norwegian suppliers.



This solution takes advantage of the latest technology and innovations to allow efficient and effective support.

Incorporation of the Leonardo family of products and services allow this solution to be scalable and encompass other operators and fleets if needed.



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FOR YOUR ATTENTION

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