

# UAS OPERATIONS AND APPLICATION DEVELOPMENT





Photo: UAS Norway, Anders Martinsen

## A DIVERSE PORTFOLIO

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After evaluating the technical side of the mission, the airspace and operational area is assessed, and the mission is adapted for airspace access. Both VLOS, EVLOS and BLOS operations have their own requirements and possibilities. An evaluation of the options result in flight planning for flights controlled

or uncontrolled airspace depending on what is required and most convenient for each mission.

On the platform side, we can select the platform suited for the mission from a range of multicopter or fixed wing platforms with different specifications and a range of payload options, including the option of a customer provided payload. For missions with special payload integration needs, a test regime for qualification will also be carried out.

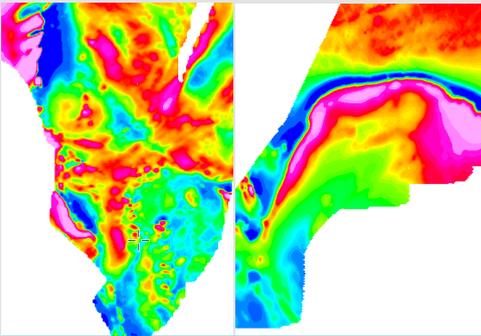
Test flights and early phase operations are often carried out by us, while sustained operations can be taken over by the client after a training period if desired. This helps provide the most cost effective operation in most cases.



01 - PHOTOGRAMMETRY MAPPING SURVEY



02 - ENVIRONMENTAL MONITORING



03 - GEOMAGNETIC SURVEY



04 - MARITIME SURVEILLANCE



05 - AQUACULTURE



06 - INFRASTRUCTURE INSPECTION

**01 Photogrammetry mapping survey**

Full or parts of photogrammetry mapping surveys, depending on customer needs. Wide range of area size and complexity. Output depending on customer needs, from pictures, orthophoto, point clouds to volume estimation.

**02 Environmental monitoring**

Experienced in UAV based magnetic survey, both fixed wing and multirotor based.

**03 Geomagnetic survey**

Remote measurement sensors used from a variety of platforms, based on the needed flight profile. Flight from runways on land or takeoff and landing on ships.

**04 Maritime surveillance**

Documentation of events both with remote systems and in-situ sensors.

**05 Aquaculture**

Inspection and mapping of aquaculture infrastructure.

**06 Infrastructure inspection**

Inspection of technical infrastructure



# UNMANNED SYSTEMS

COST EFFICIENT AND RISK-REDUCING DATA ACQUISITION

## A LEADER IN UNMANNED SOLUTIONS

Maritime Robotics is a leading provider of innovative unmanned solutions for maritime operations and data acquisition. The company develops and delivers Unmanned Aircraft Systems (UAS), Moored Balloon Systems (MBS) as well as Unmanned Surface Vehicle Systems (USV). Our main markets are geophysical surveying, oil & gas, environmental monitoring, and the defence/security market. With technology developed in close collaboration with civilian, governmental and military partners, Maritime Robotics focuses on delivering high-quality system solutions and products that are cost-efficient, reduce HSE risk exposure and are highly deployable, in any conditions.



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