

# Hypermag

The Ocean Floor Geophysics (OFG) Hypermag is a multi-vector gradiometer which deploys multiple magnetometers in an array to acquire data with a combined sensitivity of  $4\text{pTrms}/\sqrt{\text{Hz}}$ . An evolution of OFG's Self-Compensating Magnetometer (SCM), the Hypermag offers scalable arrays which can be synchronized across multiple sensors, and applies the SCM algorithms to compensate and remove the magnetic effects of the subsea vehicle in real-time.

The system is available in 1000m or 6000m depth-rated versions for tight integration into your subsea platform, avoiding the operational and navigation problems associated with multi-body and soft line tows behind the subsea vehicle. Improved sensitivity and discrimination of magnetic signatures is made possible by combining multiple 3-vector sensors to measure total field, gradients and magnetic vectors in multiple geometries.



Applications for UXO,  
cable and pipeline depth  
of burial



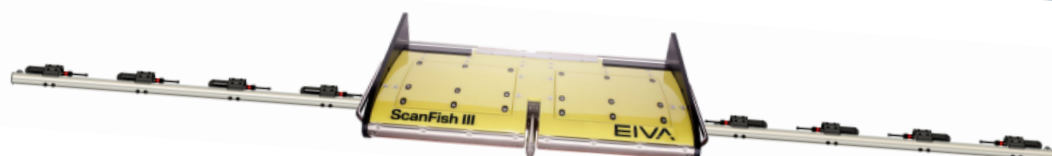
High sensitivity vector,  
total field, and magnetic  
gradiometry



Proprietary real-  
time compensation



Tight integration  
with subsea  
platforms



Hypermag integrated with EIVA Scanfish in  
Pipeline and Cable Tracking Configuration

## Tailored Configuration

Sensor geometry can be optimized for your needs with vertical, horizontal and inline gradients. Sensors can be rigidly attached to your platform, improving positional accuracy and eliminating the risks of multi-body soft tows.

## Scalable Solutions

Individual sensing units can be combined into synchronized arrays of multiple units optimized for the application and your subsea platform.

## Diverse Applications

Pipeline tracking  
& depth of burial

Cable tracking  
& depth of burial

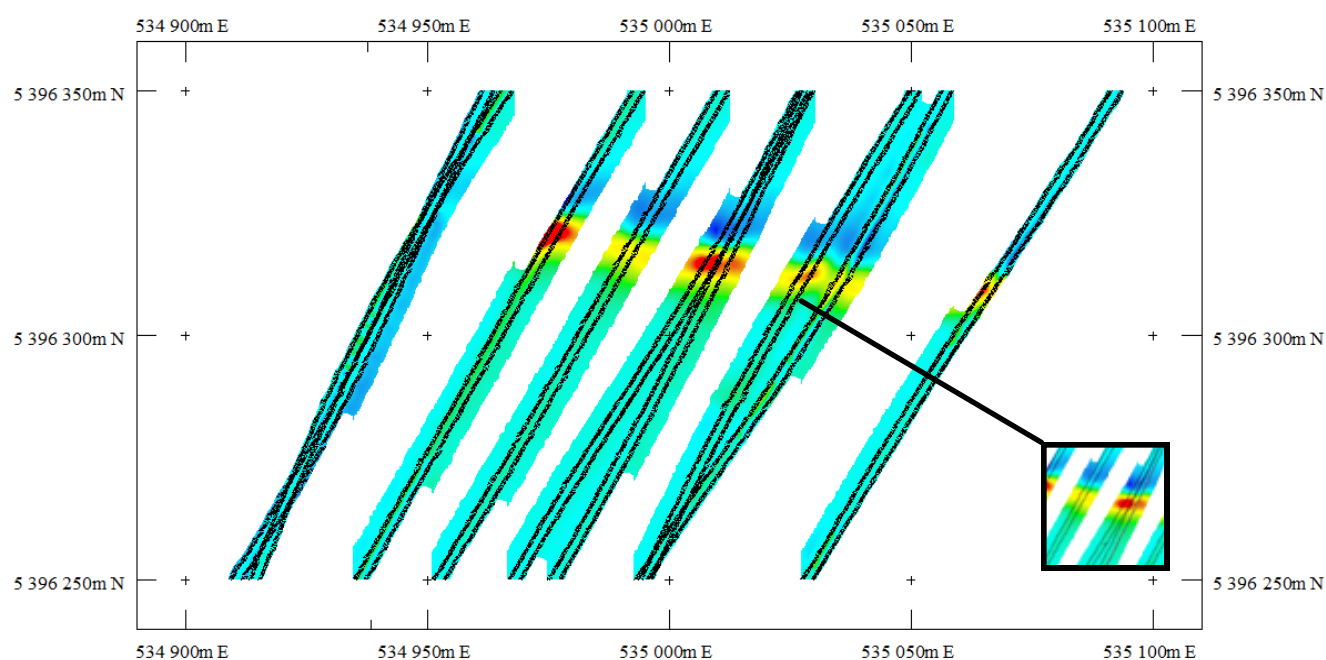
Search

UXO  
detection

Archaeology

## Washington, USA Pipeline Crossing

Precise Localisation and Depth of Burial of Steel Reinforced Concrete Pipeline



## Let's get in touch



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