DATA SHEET

MAG-ROVER: SUBSEA INSPECTION

THE PURPOSE

This document is composed to assist our clients and the supply chain with a high-level understanding of the benefits and services associated with our MAG-Rover System.















 $\overline{}$

SONOMATIC

MAG-ROVER

Sonomatic – the world's leading provider of automated ultrasonic Subsea inspection, developed a remotely steerable UT scanner capable of deep-water operations. The MAG-Rover can be ROV or diver deployed and can be remotely maneuvered to the exact inspection location, making it among our most versatile tools yet.

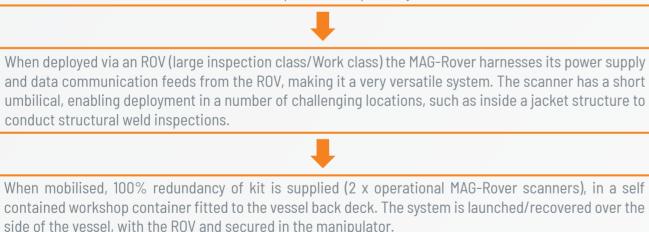
Sonomatic has strategically placed offices which allow us to respond to clients globally and supply a range of quality products, backed by outstanding customer service. As well as providing field services, we also offer Integrity consultancy at our UK bases and at clients' premises anywhere in the world.



Our commitment is to enhancing asset performance through applied, innovative technology, and delivering these benefits to our customers through our products and services. We are also committed to working with our customers as value-added partners to fully maximize the benefits of Subsea inspection technology.

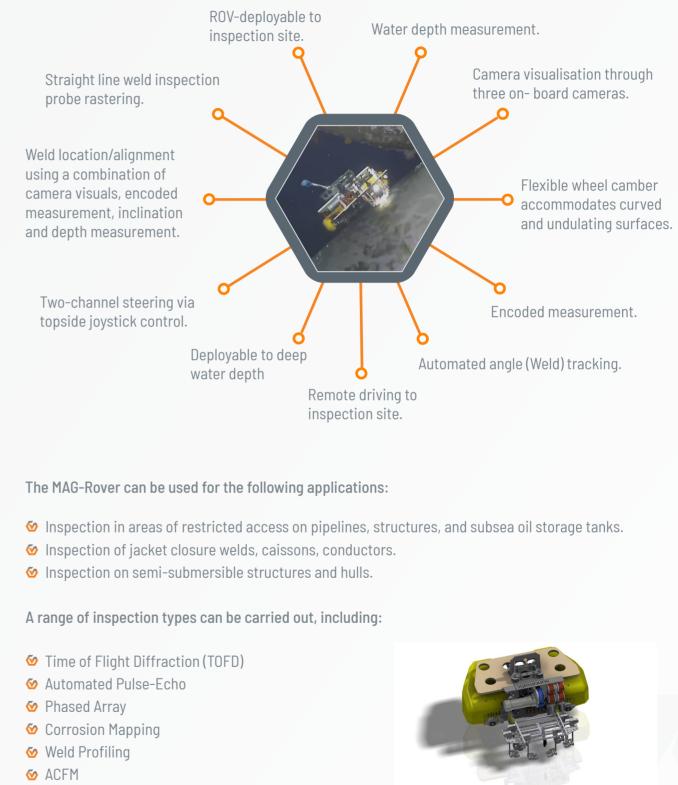
HOW IT WORKS

Sonomatic's MAG-Rover has been specifically designed for Subsea (deep-water) ultrasonic inspections, and can be uniquely steered under remote control to the work site. The tool is ideally suited for use in areas where the risk to human life is not acceptable, or depths beyond saturation diver limits.



It can be attached to a structure at a topside location, by a rope access technician, and then driven under an operator's control to the inspection location which may be below sea level.

KEY FEATURES



- ♦ Local Dent Deformation Profiling

SONOMATIC'S WORLD-LEADING MICROPLUS ULTRASONIC SYSTEM

The standard MAG-Rover unit comprises of a steerable crawler driven by two large permanent magnetic drive wheels which allow the scanner to adhere to any magnetic surface, including those that curve or undulate. At the front of the scanner is the UT transducer array, which gimbals to follow the contour of the surface being inspected. Sonomatic's world-leading Microplus ultrasonic system is incorporated for proven measurement reliability, and set-up options include:

- Prime— up to eight channels of UT linear scanning (TOFD, 0° corrosion mapping, angled shear wave, pulse-echo UT).
- Characterisation— up to eight channels of angled pulse-echo shear wave UT reciprocating head with a 550mm max scan stroke length (total).
- 🙆 Depth Rating 600m Standard (1600m option).







All manoeuvring and navigation is carried out from a Sonomatic Control Station connected to the MAG-Rover via an umbilical. The technology includes two-channel steering controlled via a topside joystick, and three on-board cameras. One is focused on the probe contact zone to enable the easy following of Welds; the other two are mounted to the left and right of the scanner for general navigation and probe monitoring. The camera configuration can be adjusted to allow rear viewing for umbilical monitoring.

KEY CONTACTS

EUROPE AND AFRICA

Graham Marshall

Subsea Project Manager T: +44(0)1224823960 E: Graham.Marshall@sonomatic.com

Stuart Ley

Topside Project Manager T: +44 (0) 1224 823 960 E: Stuart.Ley@sonomatic.com

Danielle Gunns

Project Delivery Manager (Warrington) T: +44 (0) 1925 414 000 E: Danielle.Gunns@sonomatic.com

Charles Loader

General Manager - Europe & Africa T: +44 (0) 1925 414000 | M: +44 (0) 7376 714765 E: Charles.Loader@sonomatic.com

MIDDLE EAST

Clayton Webb

Regional Manager T: +971 26 580 708 E: Clayton.Webb@sonomatic.com

QA AND HS&E

Sonomatic operate under an integrated QHSE management system and are committed to the highest quality and safety of service provision | ISO 9001: 2015: 00007140 | ISO 14001:2015:00037371 | ISO 45001:2018:00037372 | ISO 17020: 2012: 4276 | Achilles FPAL Verified: 076712 | SEQual 1988 | British Safety Council Member: S0388440 |



AUSTRALASIA

Jonathan Millen Operations Manager - Australia T: +61 415 850 346 E:Jon.Millen@sonomatic.com.au

Alex Cesan

General Manager - Australia & NZ T: +61 498 442 666 E: Alex.Cesan@sonomatic.com.au

Zach McCann

Region Manager - South East Asia T: +60 12 555 1569 | M: +61 404 797 670 E: Zach.Mccann@sonomatic.com.my

AMERICAS

Esteban Cesan General Manager T: +1 832 977 0303 E: Esteban.Cesan@sonomatic.com

Agata Surowiec

Business Development, Sales & Project Manager T: +1 832 318 3314 E: Agata.Surowiec@sonomatic.com



www.sonomatic.com

WWW.SONOMATIC.COM 5