

PUMA (Projectorganisatie Uitbreiding Maasvlakte)

Stand number: 15

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PUMA (Project Organisation for the Expansion of the Maasvlakte) is a joint venture of Dutch dredging and marine contractors Boskalis and Van Oord. Between 2008 and 2013, PUMA, on the instructions of Havenbedrijf Rotterdam, is designing, completing and maintaining the first part of the Maasvlakte 2 project – the long-awaited extension of the Port of Rotterdam.

Maasvlakte 2's first phase involves 700ha of new harbour premises and PUMA is deepening the harbour basins to 20m below Amsterdam Ordnance Datum (NAP), which will allow the largest container vessels to berth. Another part of the project involves the construction of the entire sea defences – all 11km of them. The work will also include construction of quays, roads, railway lines and cycle tracks.

QPS

Stand number: 1

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Under the name of QINSy Dredging, Quality Positioning Services has developed a powerful navigation and dredge monitoring tool to aid a client's operations and provide:

- Navigation and monitoring of dredge operations
- TSHDs, cutter dredge and backhoe support, stone dumpers and wire cranes
- Monitoring of dredge parameters, such as displacement, hopper volume, density and status
- TDS calculation

QINSy data acquisition and visualization software is focused on system integration of a wide range of sensors, acquisition of large volumes of bathymetric data, real time processing, positioning of ROVs, dragheads and so forth. And QINSy software can also be applied to hydrographic surveying projects, seafloor mapping, navigation, dredge monitoring and offshore construction.

Seatools Stand number: 4

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Seatools was founded in August 1999 by a team of specialists with many years experience in underwater and offshore technology and proven qualities in the design and building of high-quality, tailor-made equipment. Seatools' track record clearly demonstrates this experience with a wide range of products used worldwide in the dredging, offshore and civil underwater industries.

Its products include special purpose tools, sensors and instrumentation systems, special purpose ROVs, pipe- and cable-trenching machines and special purpose winches.

Seatools feels its success is due to its 'all in one company' concept. Within the company all disciplines work closely together, resulting in:

- Short communication lines
- Fast response
- Synergy
- Large knowledge base
- Innovative solutions
- After sales & commissioning
- Training

VOSTA LMG

Stand number: 11 + 12

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VOSTA LMG is an engineering and contracting company that serves the worldwide dredging industry. Apart from custom-built and standard dredgers, the company also markets various dredge component packages and offers engineering and contracting services.

VOSTA LMG has ten offices – one in Amsterdam, The Netherlands, two in Germany (Lübeck and Hamburg); two in China (Zhuhai and Beijing); one in the USA (Sebastopol, California); one in the United Arab Emirates (Dubai); two in India (Mumbai and New Delhi) and an office in Moscow.

More information on the projects and activities of VOSTA LMG Dredging Technology can be found at **www.vostalmg.com**.

Wärtsilä Netherlands

Stand number: 7

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Wärtsilä aims to be the leading ship power system integrator for the dredging industry and the harsh environment in which dredgers operate is a prime consideration when designing solutions and working together with various partners in the dredging industry. Wärtsilä strives for the continuous development and improvement of efficient and economically sound products and systems that enhance its customers' businesses and wants to provide them with complete lifecycle power solutions.

Through these innovative products and services, Wärtsilä sets out to be the most valued business partner of all its customers – achieved by the dedication of close to 19,000 professionals manning 160 locations in 70 countries around the world.