

Spend Green to Make Green

Fifty years ago oil was cheap and ignorance was blissfully dangerous. Ships criss-crossed the globe in a fit of black smoke and no one thought much of it.

Today, as seen at this year's SMM, the industry stands at the corner of eco regulation and green investment. Not to mention, alternative power isn't looking so alternative anymore. It's a new world.

Amidst this shipbuilding scene, regulations and innovations mean you have to spend money to make money. Or do you? According to Torsten Schramm, COO of Germanischer Lloyd, at SMM, "It was clearly evident... that the ship owners have to invest in a green future, more than ever before." However, this may not mean you have to spend your money all in one place, on a new build. Also at SMM, Stephan Timmermann of MAN Diesel & Turbo said, "This is not so much about new buildings, but more about new ways to cut operating cost." So the goal is to achieve green without spending all your green, which calls for a savvy strategy.

This issue of ShipBuilding Industry unlocks the answers to that strategy. You will find groundbreaking new builds like Far Solitaire, Abis Dover and Abis Dublin

– which may manage power differently, but feature diesel-electric propulsion to do so. D&A Electric's work aboard Polaris is a particular point of innovative power. We also catch up with Floatech's battery-powered electric propulsion technology as well as EU's eco ferry project, BB Green, one year into their research programme. BB Green is combining a number of green technologies into one ship and use an unlikely material to support the vessel – air.

In addition to these industry-changing projects, you will find the suppliers making them a reality. If you're at the corner of eco regulations and green investment, you can learn from the pioneers themselves. This way, it may not be about a new build today, but astute green investments will certainly cut costs tomorrow.

Courtney Fray

Courtney Fray
courtney@ynfpublishers.com



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PUBLISHING CONTACTS

Publisher & Executive Editor
Dennis Vinkoert

Co-Publisher
Nathalie Vinkoert

Art Director
Nathalie Putman

Editorial Team
Laurien Bal – Editorial Assistant
Courtney Fray – Maritime Editor
John Gauldie – Maritime Editor

Staff Photographers
Herman IJsseling
Dave Jansen
René van der Kloet
Danny Cornelissen
Vincent Vinkoert
Chris Wijmans
Henk Zuur

Yellow & Finch Publishers
Pres. Rooseveltlaan 739
4383 NG Vlissingen
The Netherlands
T +31 118 473 398
E info@ynfpublishers.com
F +31 118 461 150
I www.ynfpublishers.com

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Front cover: As IHC Dredging's latest new trailing suction hopper dredger prepares to leave the Dutch, the project manager notes: "DCI Dredge XIX is complex for her size. She might not look like it, but she is." Read our ship report on page 20.

Background picture contents page: The first of three new vessels for Nederlands Loodswezen (the Dutch Pilots Organisation), the Polaris is a new sea station with unprecedented redundancy, seakeeping and communication. Our full ship report starts on page 8.



At Yellow & Finch Publishers, owners of ShipBuilding Industry, we circumnavigate the maritime world to bring you back the latest industry news. Find out what the 'Word on the Sea' is with John Gauldie.

Basque-ing in Bilbao

Yellow & Finch's John Gauldie in Spain

What an impressive sight on the Estuary of Bilbao's left bank – no, not the Guggenheim, but further down the river at the **La Naval Shipyard**. I was kindly invited on board **Jan De Nul's** giant 31,500t stone dumper Joseph Plateau under construction at the yard – the largest private shipbuilder in Spain. Commercial Manager Javier Angulo Altuna reminds me I'm standing in the same yard that built the world's largest TSHDs – Jan De Nul's 46,000m³ Cristóbal Colón and Leiv Eriksson.

Bilbao is the home of power experts **Ingeteam** – I witnessed their technicians installing complex electrical systems on the Joseph Plateau. Another Basque supplier on board, **Bombas Azcue** delivered electric pumps.

The recent local Basque elections highlighted the autonomous region's economic strength compared to the rest of Spain. In a show of shipbuilding support, the Basque Government Minister Bernabé Unda attended **SMM Hamburg** to back Basque exhibitors and the **Basque Maritime Forum**, which brings together 350 companies. One exhibitor, marine engine parts supplier **SKV Group** opened a new 1,900m² facility in Bilbao. The new Bilbao office of another exhibitor, **KSB Itur**, distributes the marine pumps and valves the

company manufactures a bit further up the beautiful Basque coast.

Bilbao also has no shortage of brain power – its Technology Park houses more than 200 companies. Naval architect and software producer **Sener** turned heads at SMM with their virtual reality head-mounting display for viewing 3D ship models.

While many Spanish regions struggle with economic woes, industrious Basque shipbuilders haul in international orders. Over on Bilbao's right bank, **Murueta Shipyard** is working with **Damen Dredging Equipment** on two 1,500m³ TSHDs for France's **Draggages-Ports** and a 2,600m³ sand mining hopper for **DTM**. Further down the river, **Zamakona Yards** is building two new **Havyard**-design vessels for Norway's **Atlantic Offshore**. Like its busy port, when it comes to shipbuilding, Bilbao faces north.

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John Gauldie
john@ynfpublishers.com

