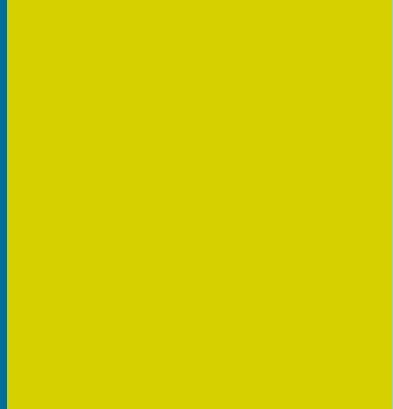
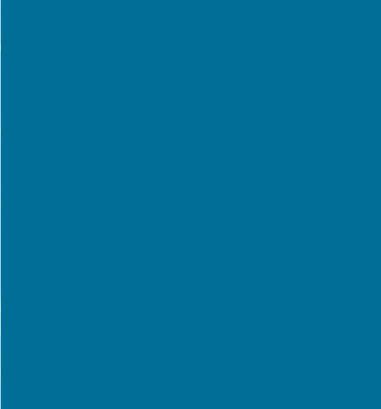
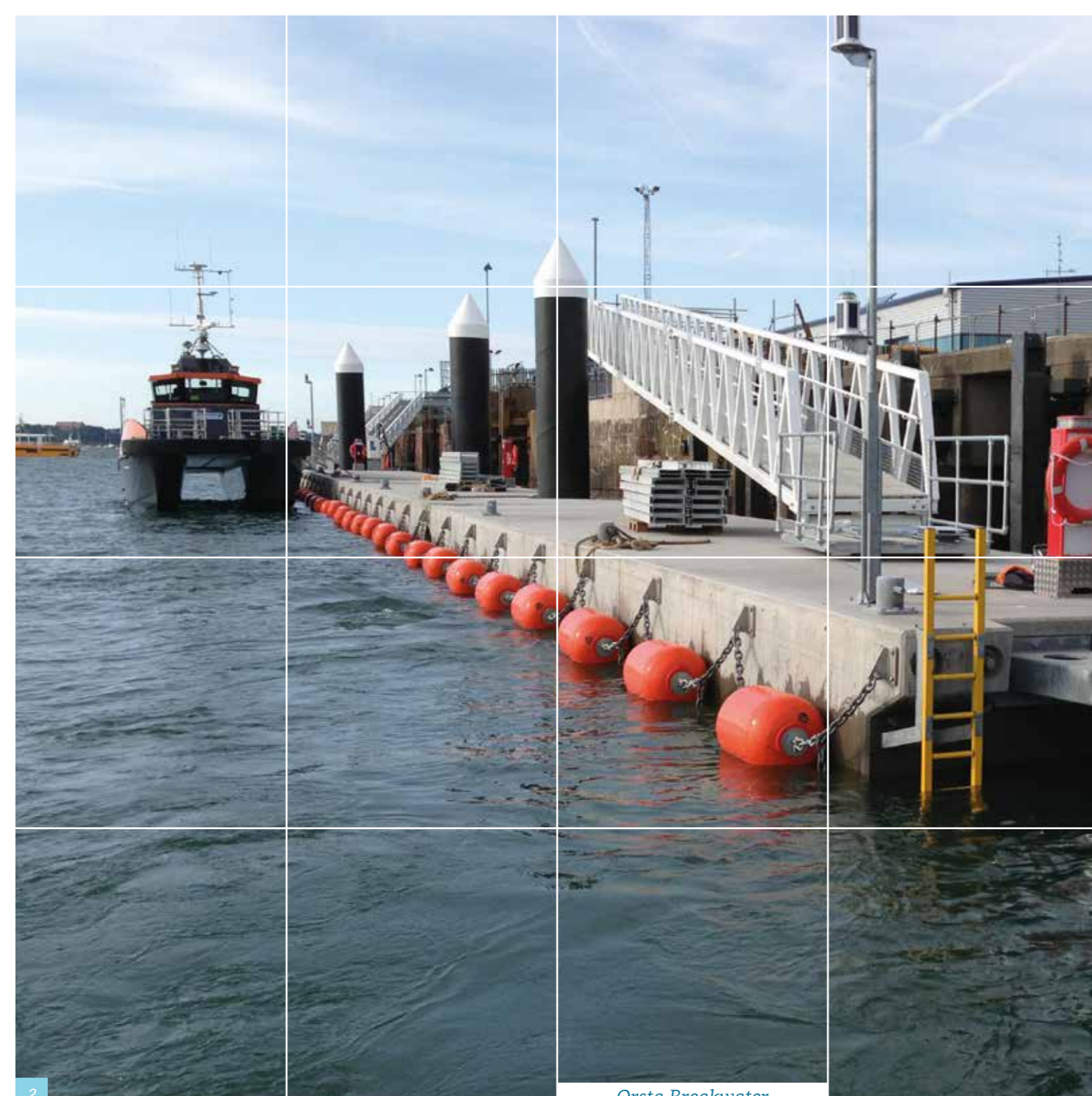


References



Orsta Breakwater References



Orsta Breakwater



West of Duddon Sands, Barrow in Furness, UK

Client: DONG Energy West of Duddon Sands UK Ltd
(in partnership with Scottish Power Renewables WODS Ltd)

Date: 2013

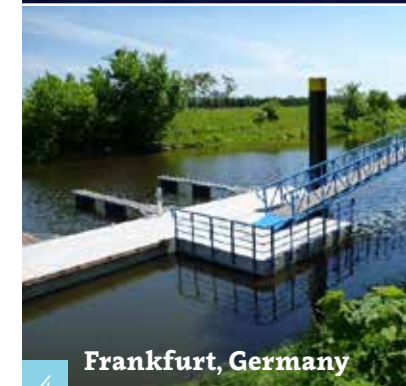
Project: Pontoon Berthing Facility for Offshore Wind Farm Crew
Transfer Vessels at West of Duddon Sands, Barrow in Furness, UK

Scope: 68m long x 5m wide x 1.10m freeboard pontoon berthing facility
Comprising 3 bespoke pontoons with internal pile guides
of l 22.50 x w 5.00 x h 2.00 weight 85,000 kgs each

Orsta Breakwater References



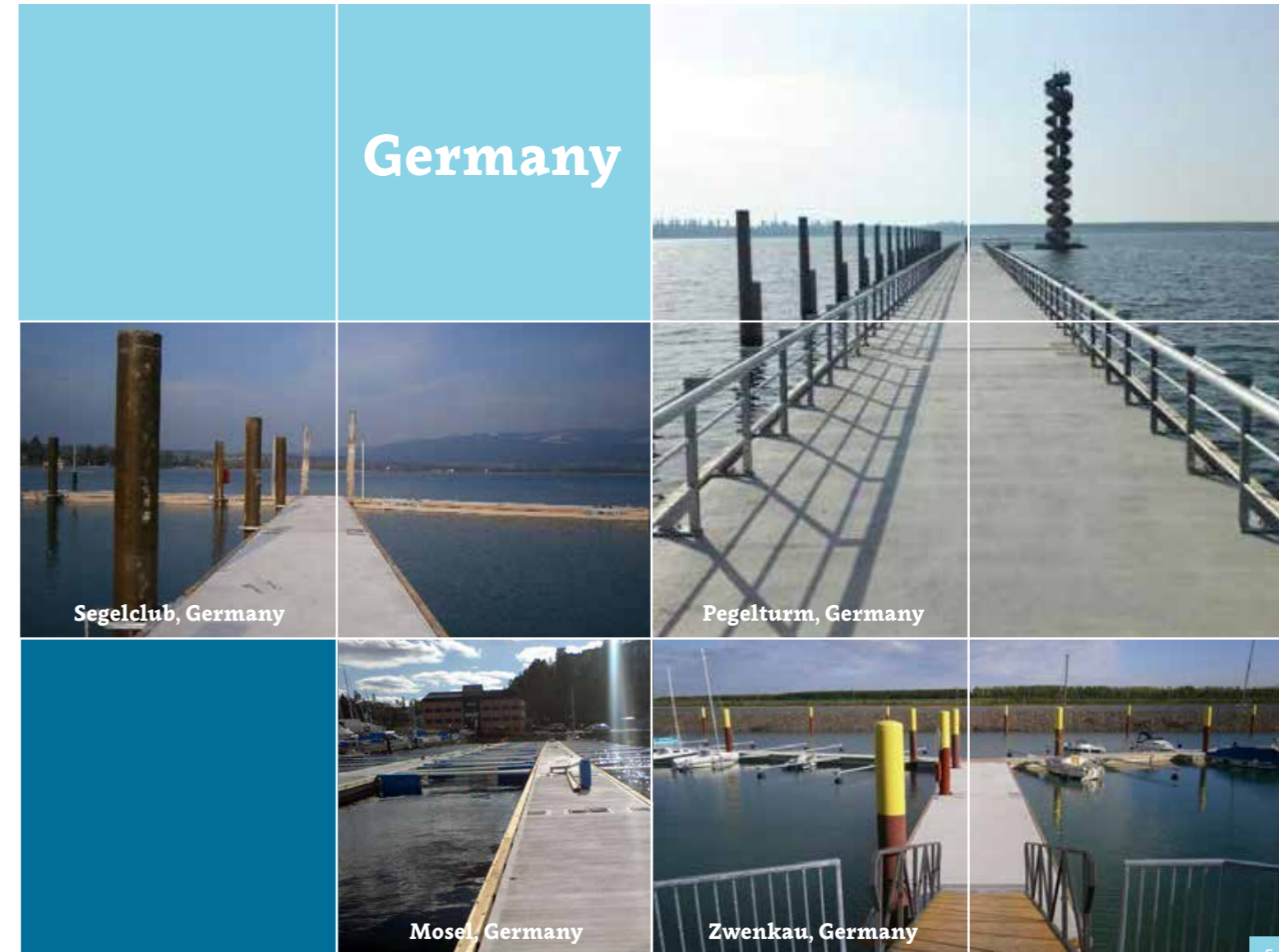
Flensburg, Germany



Frankfurt, Germany



Wismar und New Leser, Germany



Germany

Segelclub, Germany

Pegelturm, Germany

Mosel, Germany

Zwenkau, Germany

Orsta Breakwater References



Lakeside, UK

Client: Lake District National Park Authority

Date: 2015

Project: Berthing facility at YMCA Lakeside National Centre

Scope: 36m jetty, 3 pontoons of l 12 x w 3.00 x h 1.00 meter (freeboard) including 24 gangway, waiting area for lake cruises passengers, anchored in place

Orsta Breakwater References



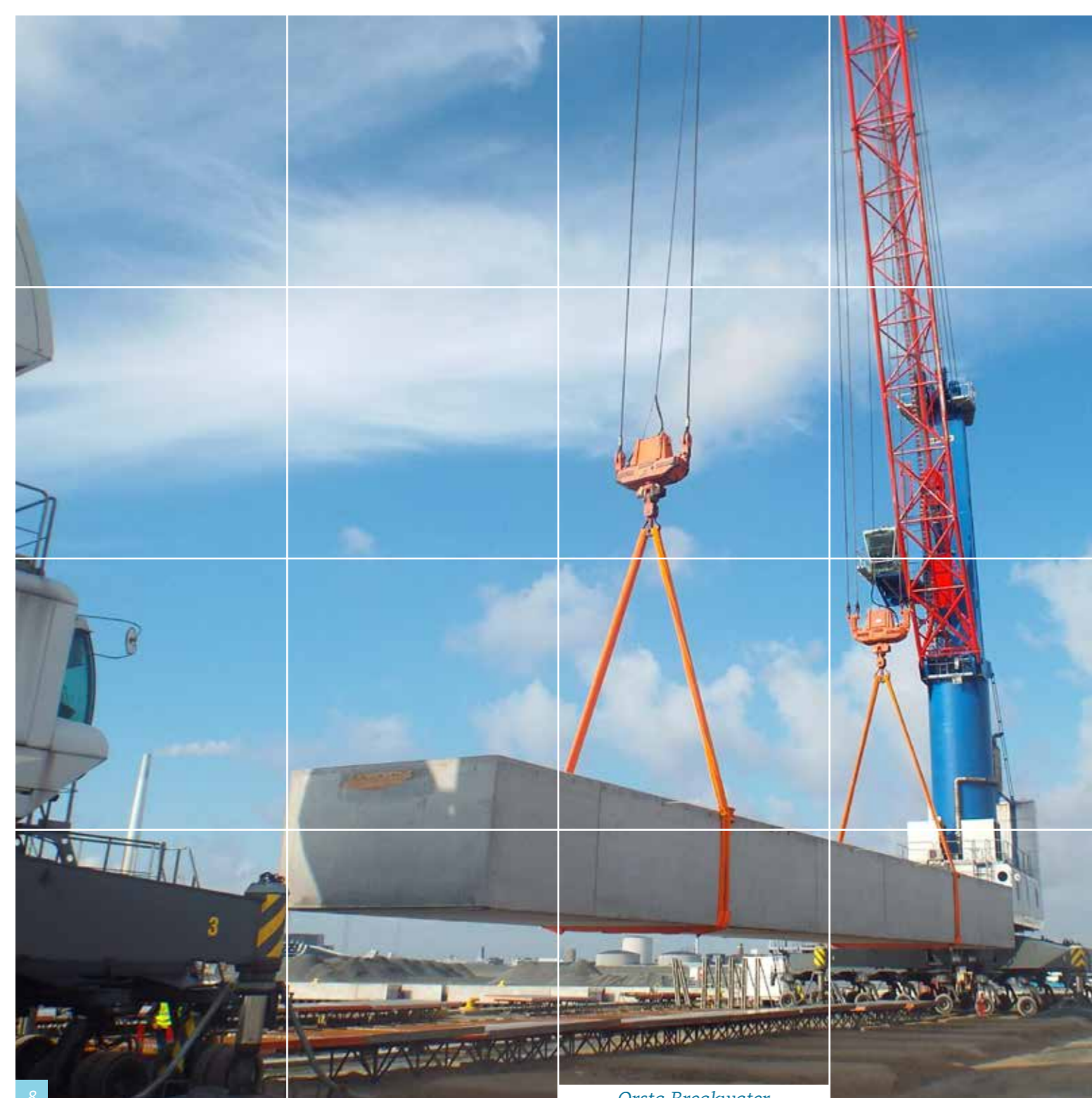
Esbjerg, Denmark

Client: Dong Energy Horns Rev II A/S

Date: 2014

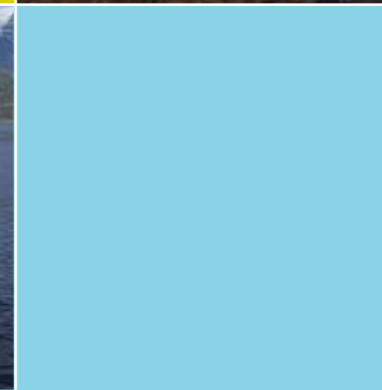
Project: Pontoon Berthing Facility for Offshore Wind Farm Crew Transfer Vessels at Esbjerg, Denmark

Scope: 2 No. Pontoons of 35m long, 5m wide, 1.50m freeboard, 170,000 kg each. Including piles, services, access bridges

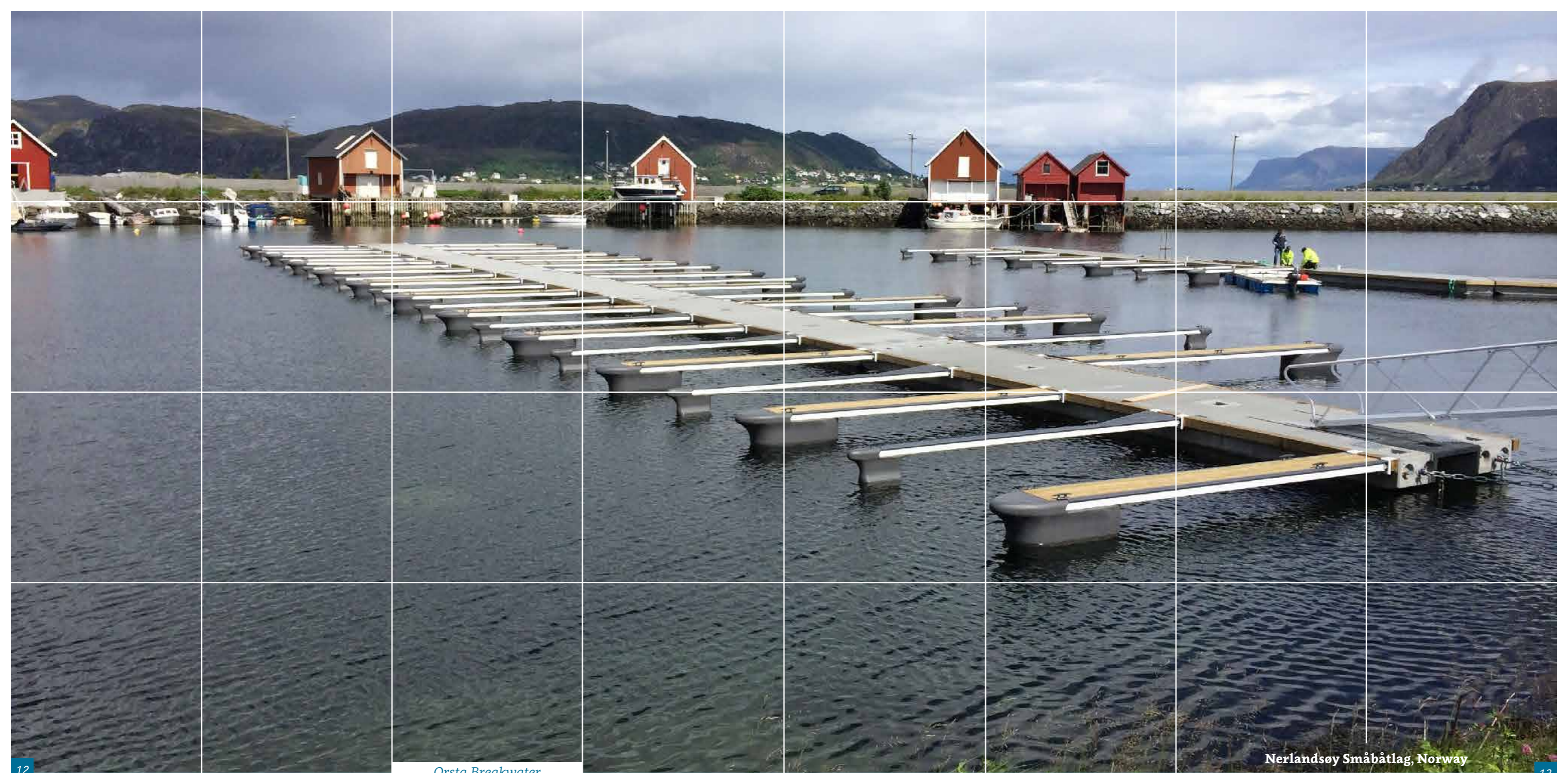


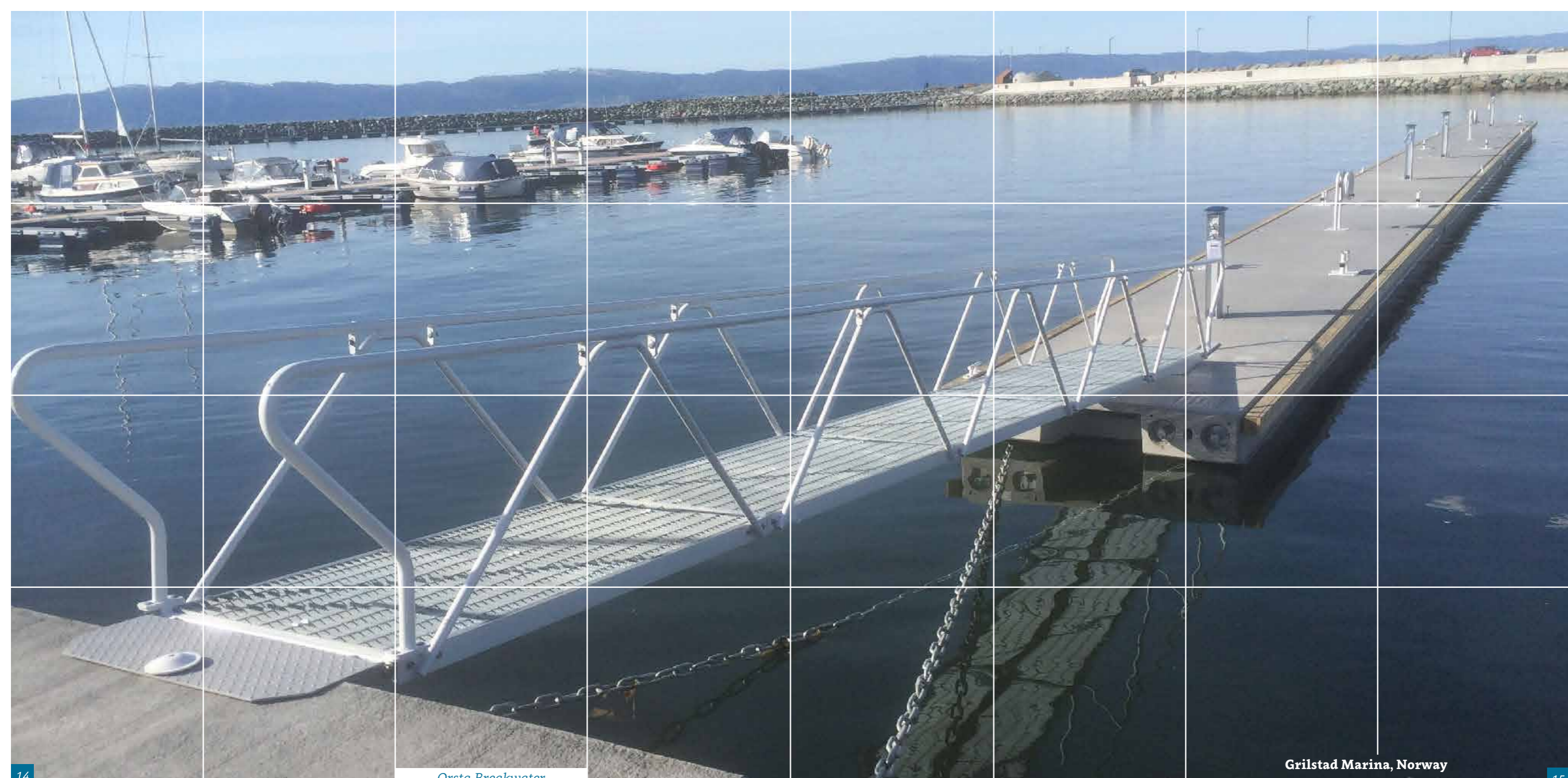
Orsta Breakwater

Orsta Breakwater References



Norway

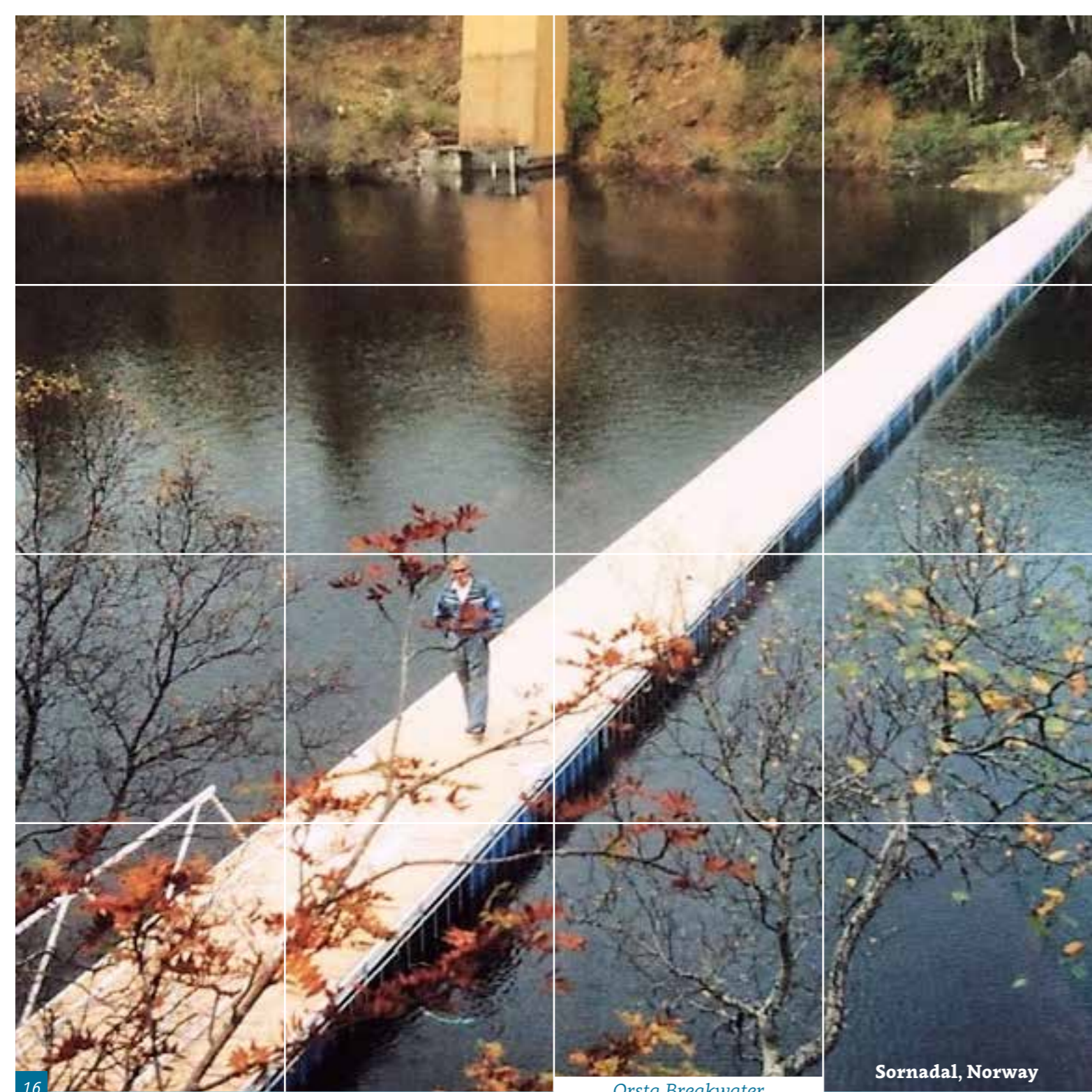


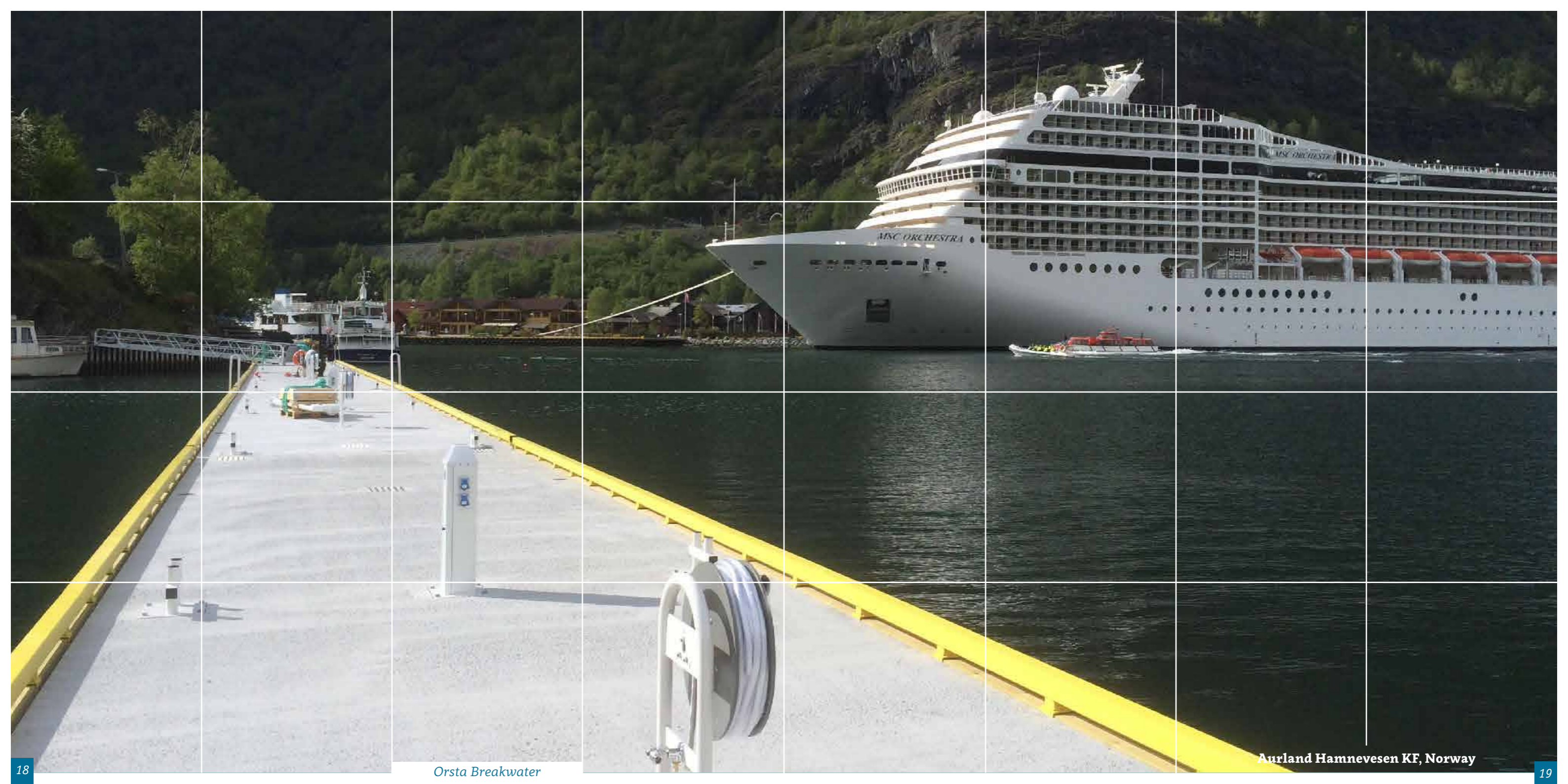


Orsta Breakwater

Grilstad Marina, Norway

Orsta Breakwater References





Orsta Breakwater

Aurland Hamnevesen KF, Norway

Orsta Breakwater References



Barka, Oman

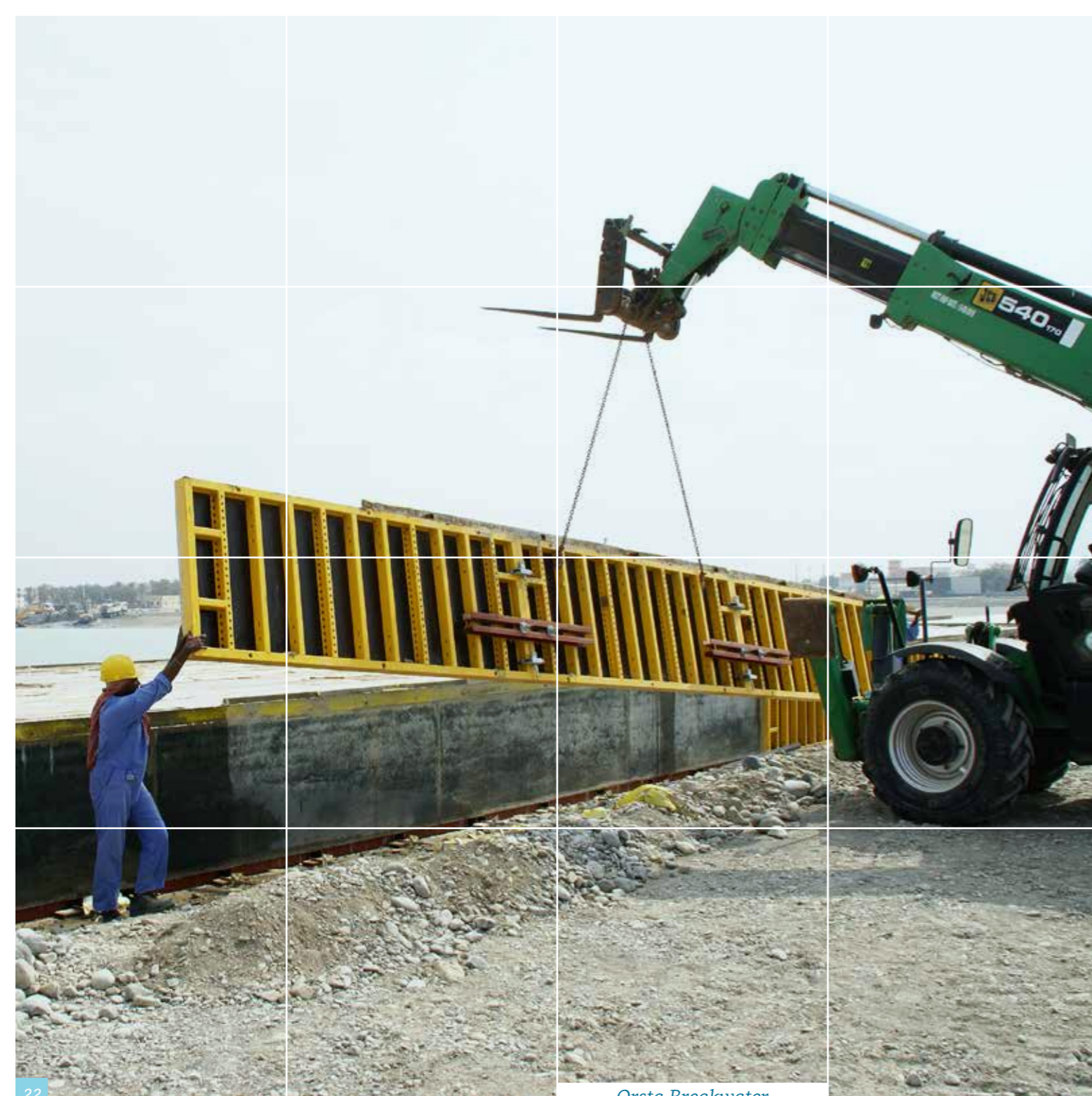
Client: Ministry of Fisheries Wealth, Muscat, Oman

Date: 2016

Project: Landing pontoons for the Barka Fishery Harbour

Scope: 3 pontoons 35.00 x 6.00 x 0.75 meter freeboard, weight 125,000 kgs

Orsta Breakwater References



Musannah, Oman

Client: Ministry of Fisheries Wealth, Muscat, Oman

Date: 2017

Project: Landing pontoons for the Musannah Fishery Harbour

Scope: 3 pontoons 35.00 x 6.00 x 0.75 meter freeboard, weight 125,000 kgs

Orsta Breakwater References



Orsta Breakwater



Southampton, UK

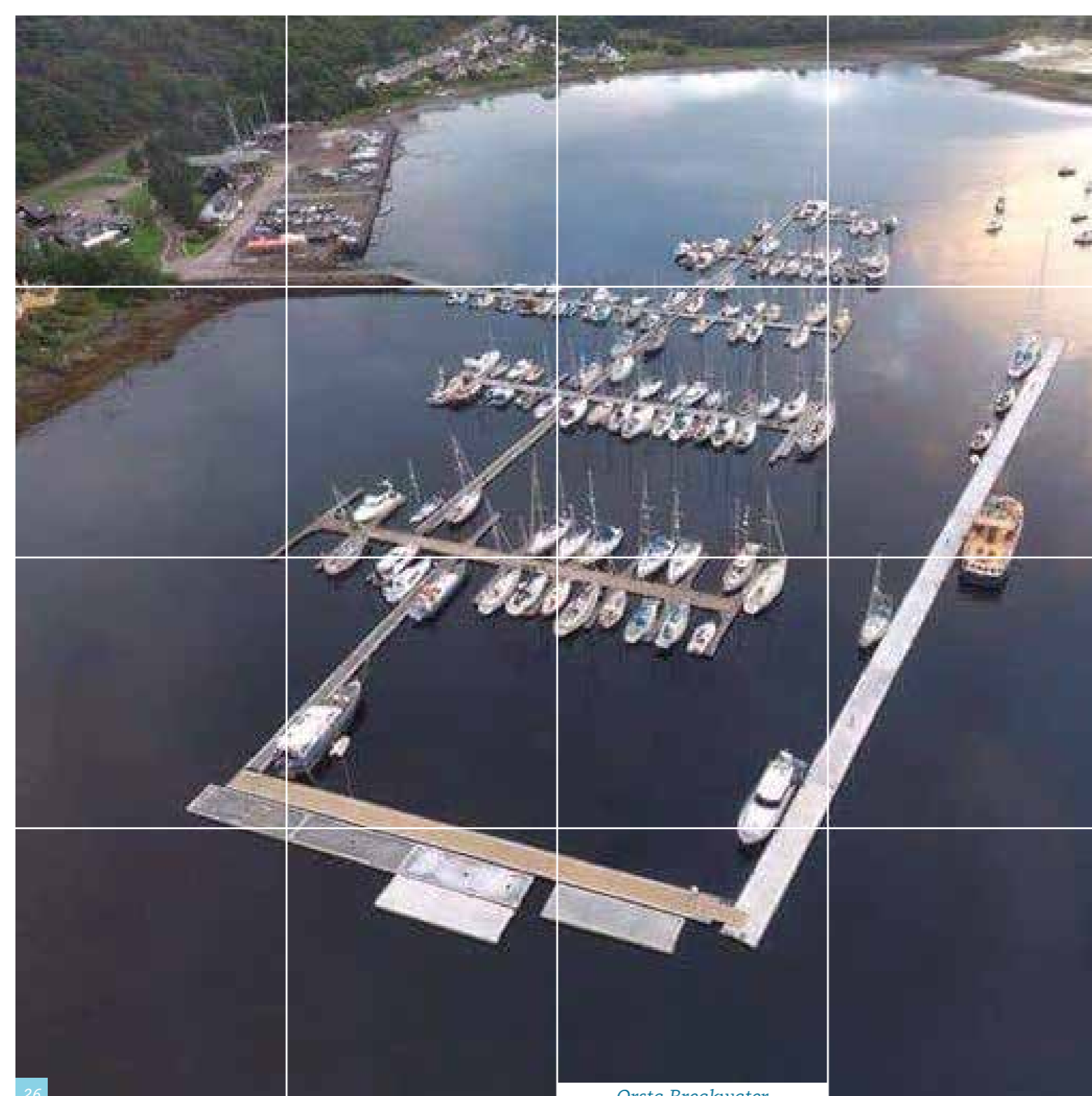
Client: Associated British Ports, Southampton, UK

Date: 2012

Project: Town Quay Marina (Outer Breakwater)

Scope: 66 m breakwater, 3 pontoons of l 22.00 x w 4.00 x h 2.85 meter weight 80,000 kgs each

Orsta Breakwater References



Orsta Breakwater



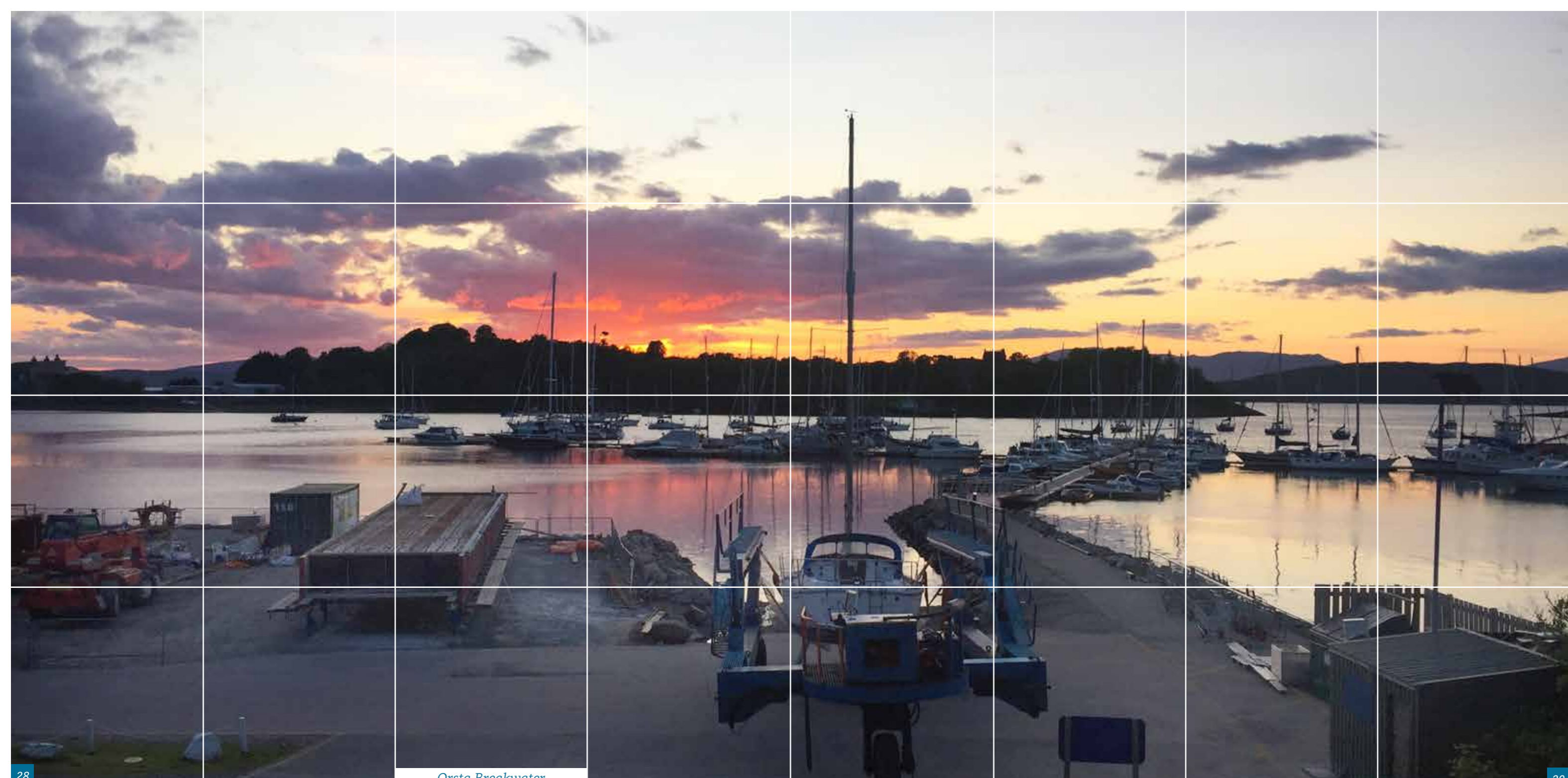
Dunbeg, UK

Client: Dunnstafnage Marina, Oban

Date: 2016

Project: Heavy duty pontoons on anchors

Scope: 7 No. Pontoons of 26.25 x 4.00 x 0.95 meter. Anchored by others



Orsta Breakwater

Orsta Breakwater References



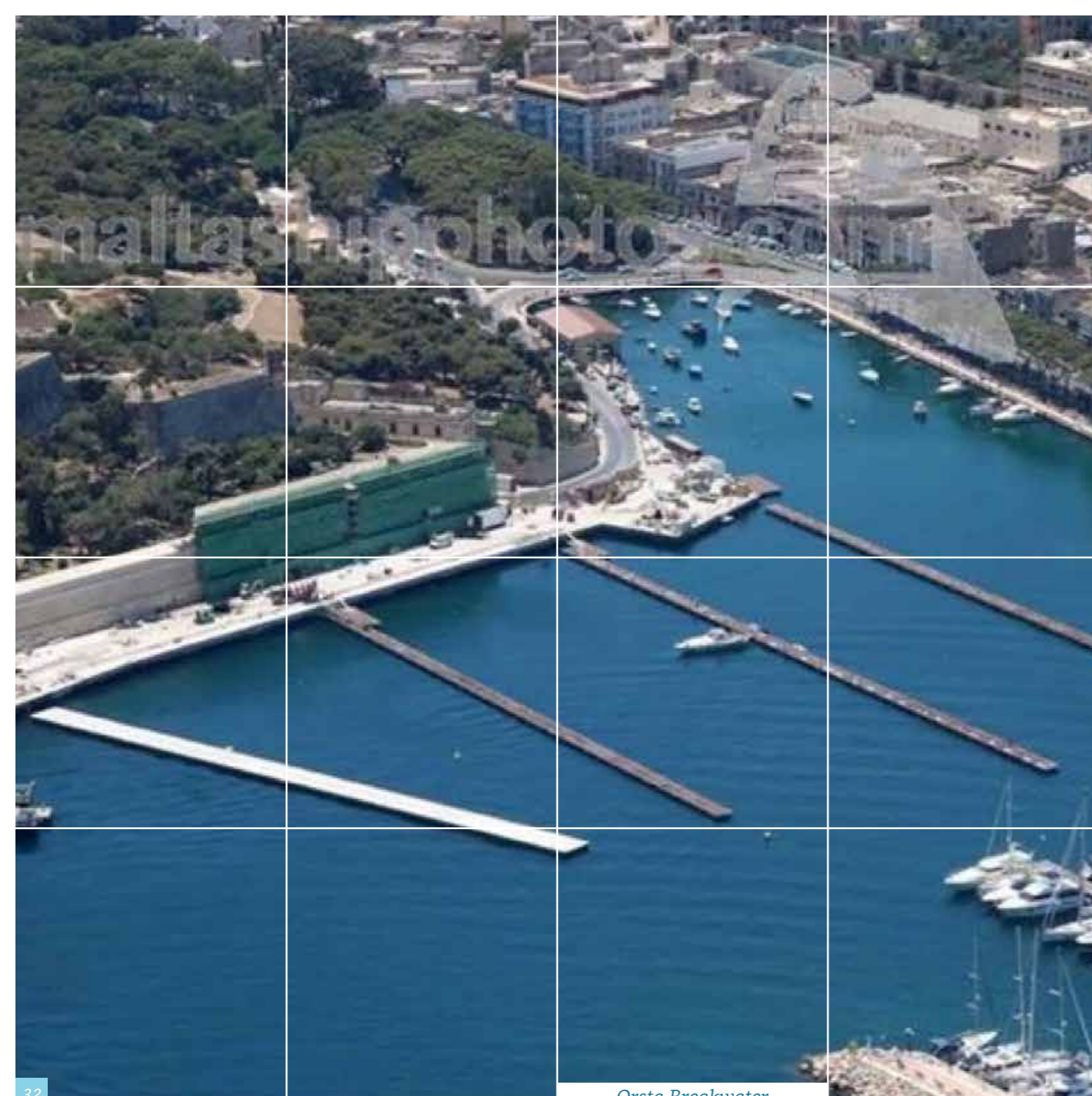
Castlebay, UK

Client: Gael Force Engineering Ltd.

Date: 2016

Project: Castlebay Breakwater, Isle of Barra

Scope: The pontoons were produced and connected on the mainland near Oban, Scotland and towed to the Isle of Barra. 7 No. Pontoons of 15.00 x 4.00 x 1.80 meter, on anchors by others



Orsta Breakwater



Valletta, Malta

Client: Marina di Valletta, Malta

Date: 2017

Project: Marina di Valletta Breakwater

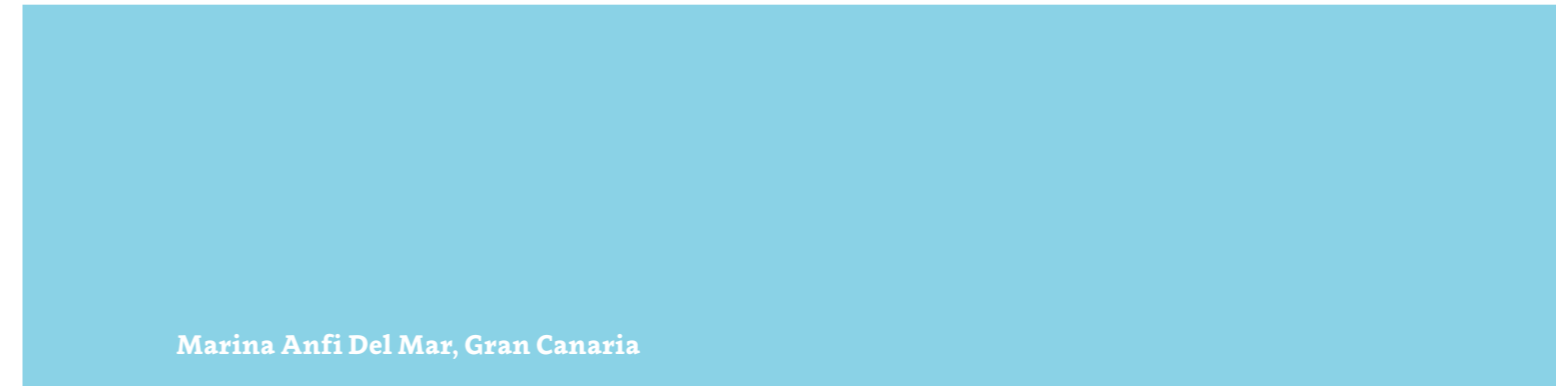
Scope: 5 No. pontoons of 24.00 x 6.00 x 2.90 meter. 110 ton each.
Anchored with Orsta's anchoring system using chain, rope and a cluster of concrete anchors

Orsta Breakwater References

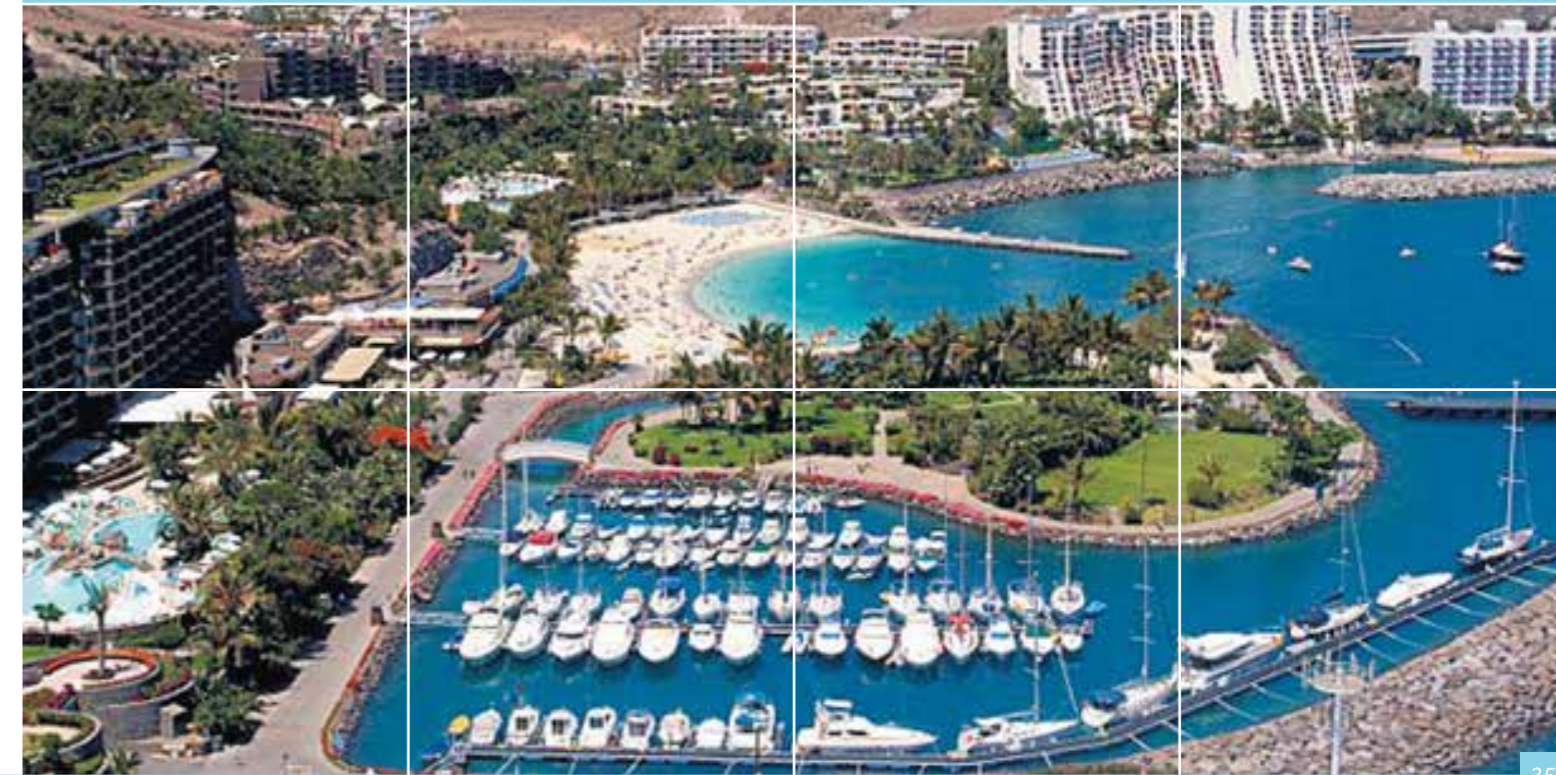


Reykjavik, Iceland

Orsta Breakwater



Marina Anfi Del Mar, Gran Canaria



Orsta Breakwater References



Maaseik, Belgium

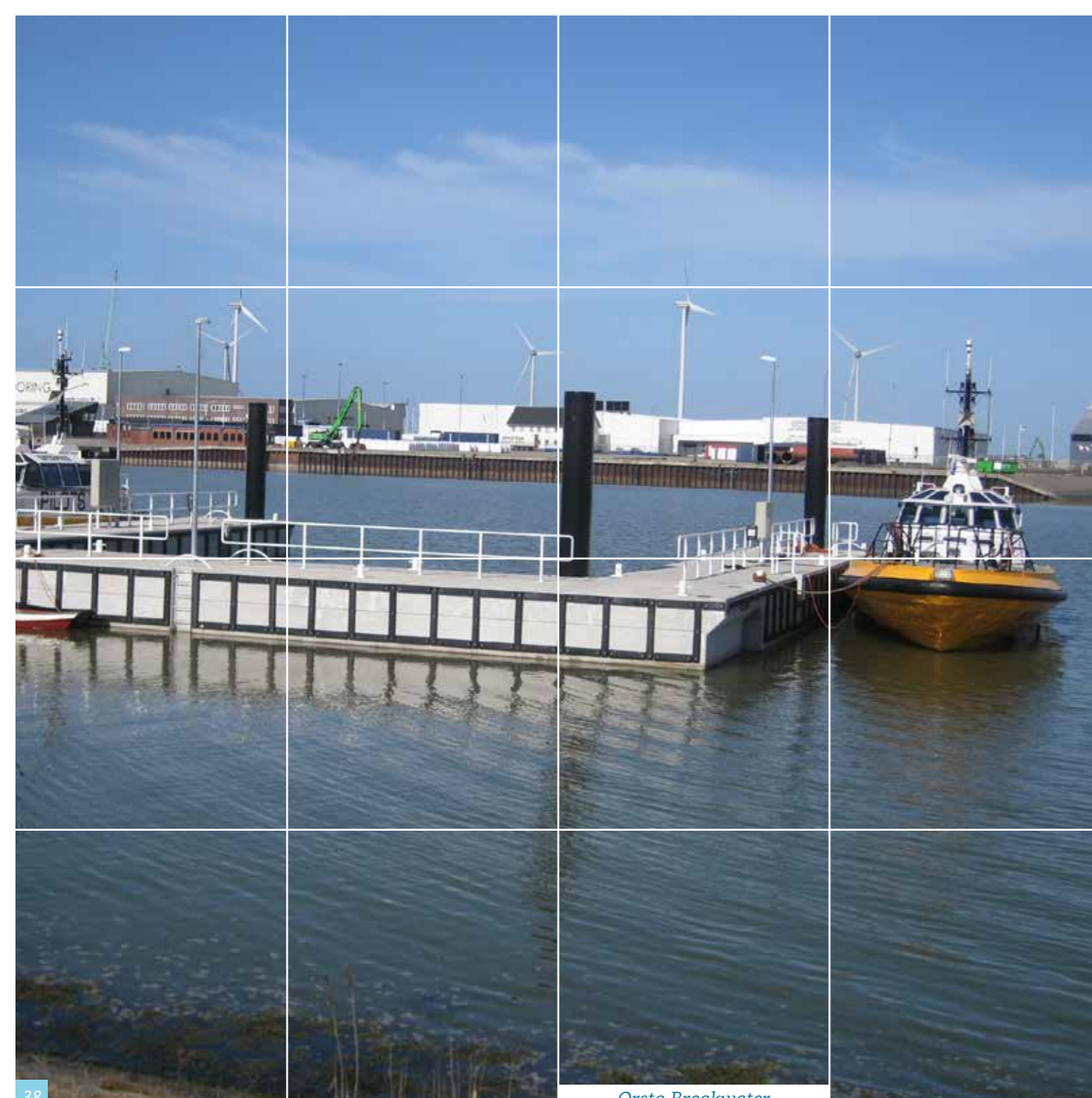
Client: Marec BV, Maaseik, Belgium

Date: 2012

Project: Breakwater for Marina Heerenlaak, Maaseik, Belgium

Scope: 3 No. pontoons of 20.00 meters long, 3.00 meters wide and 2.00 meters high. Anchored by means of 10 No. Orsta type anchors and chain/Danline Rope combination

Orsta Breakwater References



Orsta Breakwater



Groningen, The Netherlands

Client: Groningen Seaports, Eemshaven, Groningen, NL

Date: 2011

Project: Pilot Vessel Berths, Eemshaven

Scope: 3 pontoons in U-shape of l 26.00 x w 4.00 x h 2.85 meter
weight 120,000 kgs each

Orsta Breakwater References



Amsterdam, The Netherlands

Client: City of Amsterdam, NL

Date: 2011

Project: Breakwater for Watersport Exhibition Center (HISWA)

Scope: 580 m Breakwater, 29 pontoons of l 19.97 x w 4.00 x h 2.00 meter weight 52,000 kgs each.

Orsta Breakwater References



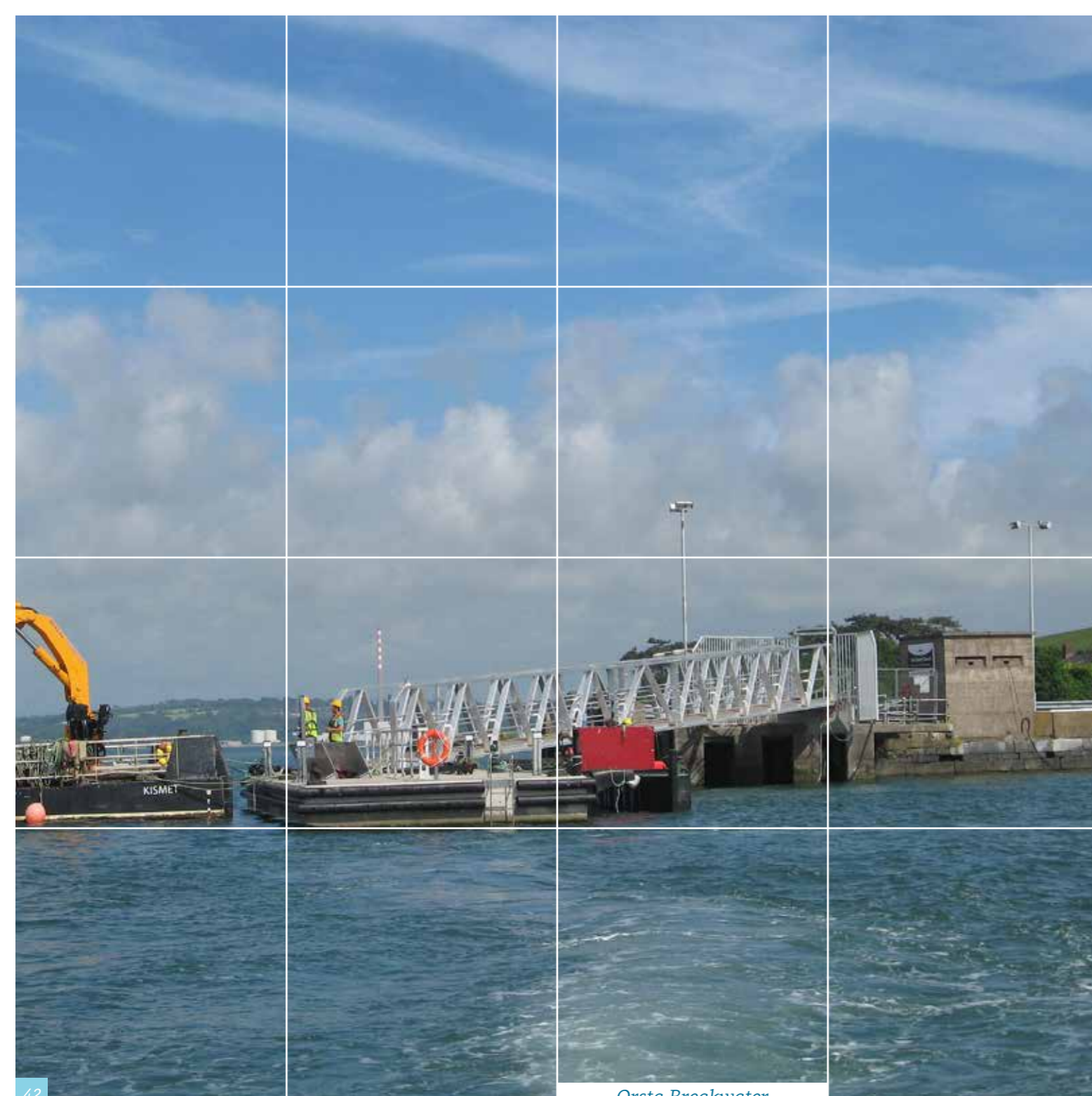
Cork, Ireland

Client: Cork County Council, Cork, Ireland

Date: 2014

Project: Mooring facility for the Spike Island Ferry

Scope: 1 No. Pontoon of 20.00 meters long, 6.00 meters wide and 1.80 meters high. To be anchored by the client at a later date.



Orsta Breakwater



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***Orsta Marina Systems
Nederland BV***

P.O. Box 66

5300 AB Zaltbommel

The Netherlands

+31(0)6 45 43 42 07

www.breakwater.eu

info@breakwater.eu