

**DAMEN SHIPYARDS GORINCHEM**

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Den Oever, the Netherlands

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Damen Shipyards,

InvaSave Team,

Herewith we would like to inform you that the land-based verification tests of the InvaSave Mobile Ballast Water Treatment unit according to the G8 Guideline of the IMO have been completed successfully. The official test report will be submitted soon for review to the Dutch Administration.

The preliminary results of the InvaSave to treat ballast water, as part of the discharge procedure of untreated ballast water, show results that meets the D2-Standard of the IMO Ballast Water Management Convention on all aspects. This included tests series conducted in fresh, brackish and marine water.

The test protocol included even more stringent requirements than normally this BWT unit needs to comply with. These requirements included that also the challenge water at intake needed to be disinfected in a single treatment.

The InvaSave was tested as a mobile ballast water treatment unit. This mobile unit will be deployed at ports as a tool for contingency measurements and as an alternative when no ballast water treatment unit onboard ships are present.

This very good land based test results indicate that Damen Green Solutions BV has developed a technology capable of receiving ships ballast water in ports even under severe conditions (coastal water with high sediment content).

MEA looks forward to start the shipboard testing of the InvaSave in the next few months

Kind Regards,

Dr. Marcel J.W. Veldhuis PhD