



MARIANA SHIPPING, JAPAN CO., LTD.


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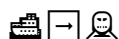
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PIL and PSA Singapore successfully trial a low-carbon end-to-end shipment, furthering supply chain decarbonisation



30 May 2024



✓  PIL and PSA Singapore recently completed our first trial of low-carbon green shipments, in a joint effort to build a more sustainable end-to-end supply chain ecosystem.



 This pilot trial is part of our Memorandum of Understanding signed in October last year to collaborate on green and sustainability solutions to decarbonise supply chains. The pilot consists of warehouse-to-warehouse cargo flow from Singapore to Chongqing via the International Land-Sea Trade Corridor. The containers were transported via PIL's vessel Kota Ratna and PSA's coastal terminal and rail nodes in Singapore, Qinzhou and Chongqing.



  Green levers utilised in this pilot include the use of biofuel on the PIL vessel, Kota Ratna, as well as landside supply chain optimisation by PSA. The biofuel used for this trial, a blend of 24% used cooking oil with very low sulphur fuel oil, abated about 100 tonnes of carbon, equivalent to planting 4000 trees, and reduced the emissions of greenhouse gases (GHG) by 84.1%.

  The collaborative efforts by both partners across the end-to-end supply chain translated to planting one tree for every laden container moved across this value chain.

  With first-hand data on carbon emissions obtained from this pilot trial, PIL will be better equipped to assess how it can further lower emissions from its vessel operations, not just for its existing ships but also for its eight new LNG dual-fuel container vessels that will be progressively delivered from end 2024.

  Mr Abhishek Chawla, Chief Marine Officer, PIL, said, "PIL is pleased to receive promising results from this low-carbon green shipments pilot trial with PSA. With sustainability at the core of PIL's operations, we are happy to join forces with PSA as we take concrete action to drive a sustainable future. The valuable insights obtained from this trial will empower PIL to further reduce our vessel emissions in the future, as part of our goal of achieving net zero by 2050. Working hand in hand with like-minded partners, we



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can augment each other's sustainability efforts in creating greener shipping and providing a sustainable net zero model to our customers soon."

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