

A low-angle, upward-looking photograph of a stack of blue shipping containers. The containers are stacked high, creating a strong sense of verticality. The lighting is bright, and the sky is a clear, pale blue. The containers have various markings, including 'CRXU', 'TARE', 'CUB. CAP.', and weight measurements like '4.850 LBS' and '1.150'.

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Scrubber Retro-fit Steams Ahead

By January 2020 the number of vessels fitted with Scrubbers is expected to reach 260, circa 10% of the world fleet, carrying 2.3 million TEU. By the end of 2020 the scrubber-deployed world wide fleet is expected to be carrying 5 million TEU and to will continue to increase.

- The **2M Alliance** (Maersk and Mediterranean Shipping Co) will have over 35 scrubber-fitted ships, each of over 18,000 TEU, by January 2020. All 62 of their 'Megamax' vessels of up to 23,600 TEUs will be equipped with Scrubbers by 2021.
- The **OCEAN Alliance** (CMA Group, Cosco Group, Evergreen Marine) will have 20 scrubber-fitted units of 15,000 to 21,000 TEU by January 2020. These vessels will operate among their conventional Megamax vessels that are not yet equipped with scrubbers. CMA CGM will have around 100 scrubber ships operating alongside 20 LNG-powered vessels. Evergreen will take the lead with the Ocean alliance in having the largest fleet of scrubber-fitted vessels , with a total of 149 units. Only 53 will be available in January 2020 with the remaining ships being equipped until 2022. Cosco and OOCL have only 40 units listed for scrubber installation so far, which include five Megamax vessels.
- **THE ALLIANCE** (Ocean Network Express, Hapag-Lloyd & Yang Ming Line) have the smallest number of scrubber-fitted vessels, with Hapag-Lloyd confirming so far just 20 units and Yang Ming 30 units. Ocean Network Express' plans for scrubber equipment is not yet clear, with less than ten units to be retro-fitted. The group will benefit when Hyundai Merchant Marine becomes a official member of the Alliance in 2020, with the contribution of 53 Scrubber-fitted vessels. These include twelve 23,600 TEU new builds which will be delivered from the second quarter of 2020, as well as 8 new ships of 15,000 TEU due in 2021.