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CMA CGM and ABB collaborate on parametric roll algorithm

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CMA CGM

Tech firm ABB and French liner giant CMA CGM are collaborating on a new parametric roll algorithm to improve ship safety with *Splash* reporting on many container overboard incidents over the years. The solution integrates a theoretical framework developed by CMA CGM into the ABB Ability OCTOPUS Marine Advisory system.

Parametric rolling has been a challenge to ship safety for decades. Particularly affecting containerships, ropax vessels, and car carriers, it means that a vessel experiences large rolling motions as it moves in waves. The phenomenon is hard to predict and poses a threat to vessel, cargo, and crew safety.

By detecting and helping to prevent extreme parametric rolling, the new algorithm will help enhance operational safety by reducing the risk of accidents, vessel damage, and cargo loss at sea.

CMA CGM will deploy the solution across its global fleet and offer comprehensive training services for the users. These trainings will also be available for the wider shipping industry.

“This collaboration represents a major leap forward for the industry, enabling more efficient operations and safer voyages,” said Emmanuel Delran, vice president of group operations at CMA CGM.