

Editorial Note

Cartagena de Indias, 21st January 2014.

2013 came to an end with important projects and initiatives related to the administration of science, technology, and innovation; additionally, this was a year of productivity for COTECMAR, which is why efforts emanating from science and technology were aimed at waging on the development of projects focused not only on improving the Corporation's internal productivity levels, but also those of the naval, maritime, and riverine industry. For this purpose, competitive enhancement was carried out with the micro and small enterprises that make up the shipyard productive chain in the region of Meta, strengthening 10 companies in the zone in managerial skills, association strategies, and good practices regarding ship construction and repair.

Undoubtedly, 2013 was a period of interrelations where the collective construction of knowledge prevailed with national and international entities. A technological transference process was developed with the company STX from South Korea within the framework of the Project for the construction of the Coastal Patrol Vessel (CPV). The project on design and construction of the Amazon Patrol Vessel was consolidated with ENGEPROM from Brazil. We feel pride in seeing reflected in our products and services the result of a collective effort through which we contribute to the generation of capacities of a Strategic Industry for the nation's security.

This edition is structured with articles related to isotropic modeling, stability, optimization of hull design, noise and vibration assessment, multi-influence measures to characterize global signature, design model of a hydrodynamic test tank, and from the perspective of competitiveness, an article related to the action plan to restructure technologies in a shipyard.

We thank our authors and readers for their interest, commitment and contribution, which permit our delivering quality work for the dissemination and generation of new knowledge in the scientific community of naval design, architecture, and engineering.



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