

The Impact of Digitalization on Administrative Processes in Shipping Companies

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Abstract: *The maritime industry is undergoing a profound digital transformation, revolutionizing administrative processes and enhancing efficiency, cost reduction, and competitive advantage. This report examines the impact of digitalization on shipping administration, highlighting key technologies such as blockchain, AI, and automation. The research identifies significant benefits, including improved operational accuracy, reduced processing times, and optimized resource allocation. However, challenges such as cybersecurity concerns, workforce adaptation, and integration complexities persist. By employing a mixed-methods approach, this study analyzes survey data from shipping professionals to uncover insights into digital adoption patterns, barriers, and success factors. The findings emphasize the need for strategic investments, robust training programs, and standardized frameworks to maximize the benefits of digital transformation while addressing its challenges. The report concludes with actionable recommendations to guide the maritime sector in navigating its digital journey effectively.*

Keywords: Digital transformation, shipping administration, blockchain technology, artificial intelligence, automation, cybersecurity, operational efficiency, workforce adaptation, maritime industry, digital adoption