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Safer ships and cleaner oceans

Striving for Operational Excellence: **The Crucial Role of Port Lifecycle Assessment**

"Ports are not merely gateways to commerce; they embody the life cycles of connection, where meticulous planning births opportunity, operations orchestrate the dance of trade, and thoughtful evolution paves the way for sustainable legacies."



Ports stand as vital nodes in the global supply chain, serving as bustling hubs where goods are exchanged between nations. Achieving operational excellence in these complex ecosystems demands a comprehensive understanding of their lifecycle and a commitment to continuous improvement.

Assessing the Port Lifecycle

The lifecycle of a port spans various phases, from inception to operation and eventual redevelopment or decommissioning. Assessing each stage is fundamental to optimizing efficiency, sustainability, and overall performance.

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Stages in Port lifecycle

- ❖ Planning and Development
- ❖ Construction and Infrastructure
- ❖ Operational Efficiency
- ❖ **Maintenance and Upgradation**

First two cycles are generally planned by business promoter, and the last two depend on business growth. The spiralling effect is they suffer a planned model of maintenance and upgradation.

Specifically, assessment and improvement of hard infrastructure subjects like jetty, pillars, fenders. To the extent that over a period of time jetties and terminals cannot be maintained and needs to be decommissioned.

This is one of the biggest wastes which can be more readily noted in Indian scenario.

Way Ahead- The Continuous Pursuit of Excellence

Operational excellence isn't a destination but a journey of continuous improvement. Regular assessments, feedback mechanisms, and a culture of innovation are pivotal in maintaining and advancing operational standards within ports.

Lifecycle plan and periodic assessment of both static and operational infrastructure will help ports optimise and strategize costs in longer run.

Conclusion

In conclusion, the journey towards operational excellence in ports necessitates a thorough understanding of their lifecycle, a dedication to sustainable practices, and an unwavering pursuit of improvement, ultimately fostering a robust and sustainable global trade network.

Note- Nivyash Marine conducts lifecycle assessments for Fixed Jetties, Floating jetties and MTMSA inspections.