

GEM-ARK™

**Driving Digital Transformation in
Maritime Agency Operations**



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• EXECUTIVE SUMMARY

In a global shipping ecosystem marked by complexity and rapid change, maritime agencies must adopt digital-first strategies to remain competitive in dynamic world . GEM-ARK, the Maritime Industry Suite from Gemini Software Solutions, stands as a transformative solution that empowers shipping agents to modernize workflows, enhance visibility, automation and operate at scale across global ports.



• FOREWORD BY THE CEO

“

At Gemini, we are focused on developing transformative IT solution aligned with dynamically changing business and IT innovations to delivery meaning value to clients with service excellence. We didn't just develop GEM-ARK—we architected it in response to the unique operational and commercial pressures that maritime businesses face. From port calls to cargo handling and complex accounting processes, maritime operations demand synchronization at scale. GEM-ARK answers this call with a unified, platform that aligns operational execution with financial integrity. The result? Faster turnaround, minimized risk, and intelligent visibility across the value chain. ”



Vinay Gupta

Chief Executive Officer
Gemini Software Solutions

• INTRODUCTION: THE MARITIME CHALLENGE

Shipping agents handle very crucial role within the shipping & maritime ecosystem such as Port formalities & documentation, Vessels co-ordinations, Cargo handling , Crew management & stakeholders coordination between ship owners, charterers, port terminals & regulatory bodies. There is an urgent need for digitization offering operational clarity, efficiency & is in tandem with global compliance.



• GEM-ARK OVERVIEW

GEM-ARK is a comprehensive digital suite designed to streamline maritime agency operations. It optimizes every phase of port calls, financial workflows, and stakeholder collaboration through a unified, cloud-based platform.



• KEY MODULES AND FUNCTIONAL HIGHLIGHTS



Proforma & Voyage Management

- End to end vessel tracking with vessel IMO details.
- Pre arrival, On arrival, post sailing portcall historicals.
- Port formalities, crew change & documentations.



Disbursement Accounts

- Real time financial tracking & audit trail.
- Track the entire DA cycle from proforma stage till final disbursement stage.
- Payments to stakeholders in multicurrency – Global & Local.
- Maintaining highest standards & compliance.



Interactive Dashboards & Analytics

- Customized Reports.
- Smart dashboards.
- Harness data analytics for informed decisions.

• KEY MODULES AND FUNCTIONAL HIGHLIGHTS



CRM and Partner Engagement

- Integrated communication tools
- Role-based access for clients and stakeholders
- SLA tracking and performance analytics



Digital Integrations

- API-ready for ERP, port systems, and third-party logistics platforms



• BUSINESS IMPACT

01 Efficiency Gains

- 40% reduction in manual processing time
- 50% faster disbursement cycle

02 Improved Compliance

- Real-time adherence to regional port and tax regulations
- Tamper-proof audit logs for financial transparency

03 Scalable Growth

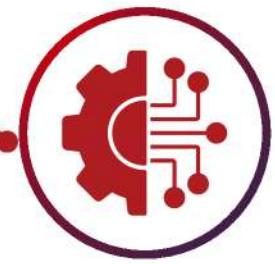
- One platform for multi-port, multi-vessel operations
- Future-ready product to incorporate market trends and IT innovations



• WHY GEM-ARK?



Proven implementation across diverse geographies



Built by domain experts in maritime, finance, and technology



Backed by Gemini Software Solutions' 20+ years of digital transformation leadership



Business value delivered with automation and cost savings



• THE ROAD AHEAD

As the maritime industry evolves in response to global regulations, decarbonization initiatives, and smarter supply chains, GEM-ARK is engineered to support the next phase of digital growth enabling scalable, secure, and agile maritime operations.



• EXPERT'S PERSPECTIVE

“

GEM-ARK is the result of deep collaboration with maritime professionals and a relentless focus on solving real-world operational challenges. Every module, every integration is engineered to simplify complexity—whether it's automating vessel clearance, tracking cargo, or syncing with financial systems. Our goal has always been to build a product that's not only powerful but intuitive tailored to the pace and precision the maritime industry demands.

”



Dinu Vijayan

Business Head
Gemini Software Solutions

About Gemini Software Solutions

Gemini Software Solutions Pvt. Ltd. is a global technology company offering enterprise-grade solutions across the BFSI, maritime, logistics, and trading industries. With a focus on innovation and operational excellence, Gemini delivers digital platforms that drive measurable impact.

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