



Business Intelligence in a Box for Container Terminal

Container Terminals operate in increasingly demanding and competitive environment. To succeed and grow the Terminal needs to:

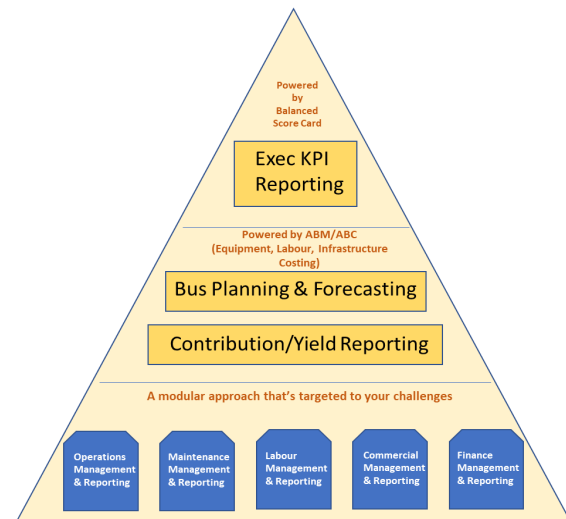
- * Offer attractive, reliable and competitive services to customers with demanding service levels
- * Control costs and maximize the utilisation of assets and resource's
- * Offer responsive customer services
- * Maximise revenue and reduce leakage

Management need quality information to steer the business to achieve objectives.

- * Individual functional Systems are geared mainly to drive the day to day operations of the terminal.
- * End-to-End container handling operation covers TOS, GOS, VBS and billing system.
- * The terminal systems generate large volumes of data but provide very little information to managers.
- * Management information requires multiple queries across a number of functional Transaction systems.
- * Lack of consistent information across functional areas limit opportunity for collaboration.

Infolayer brings extensive experience in understanding the needs of the Container Terminal business and offer a range of powerful BI modules through our Terminal**SENSE** suite of products.

Established terminal operating systems let you manage your operational processes but our Terminal**SENSE** Platform allows you to manage your cross-terminal operations for increased performance, cost optimisation and revenue margin.



Insightful, relevant, consistent, accurate and timely information to stakeholders

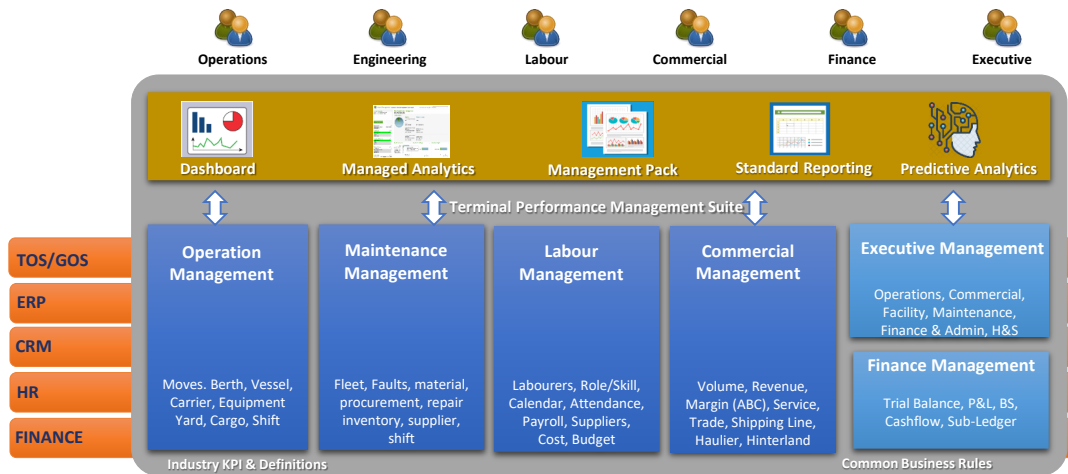
About Terminal**SENSE** offering

Our solution goes far beyond the reporting capability provided by terminal operating Systems.

- ◆ Delivers actionable insights through dashboard, standard & analytics reporting including predictive analytics across organisation
- ◆ Single source of truth for both functional and cross functional stakeholder, delivering effective coordination and collaboration
- ◆ Delivers information for executive, senior and operational management from a single source, fostering robust communication.
- ◆ In-memory consolidated data model integrating data from multiple systems including big data
- ◆ Sub second report response while non-intrusive and no impact on transactional source system
- ◆ Can be hosted on-premise or cloud and accessed using laptop, mobile & hand-held
- ◆ Configuration in weeks delivering early business benefits



The modular platform provides targeted solution to all the functional domains of the Terminal business.

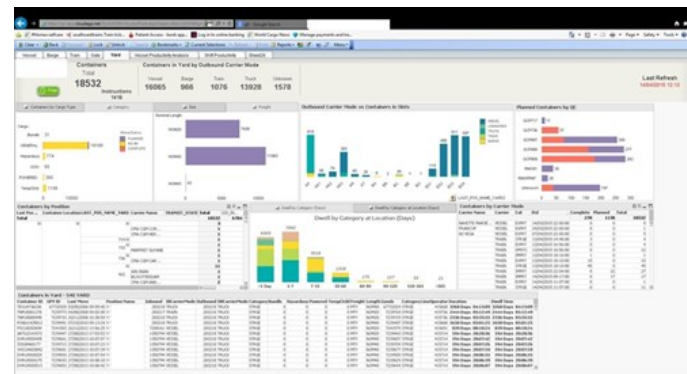


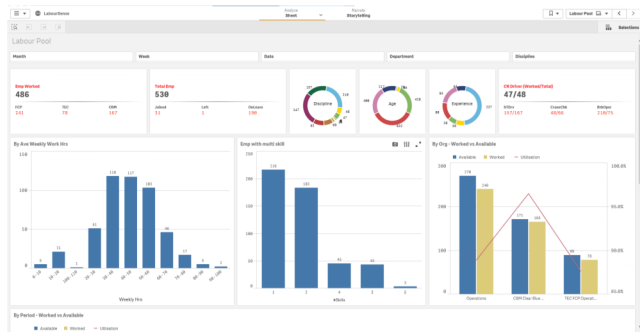
liveopsSENSE : Aimed at operational users, this product offers a near real-time view of all containers on the yard reporting waterside, landside and yard plans, highlighting bottlenecks, queues at carrier, equipment and yard stages and characteristics .



opsSENSE : Aimed at operational users, this product offers periodic views of all completed activities that has occurred on unit, equipment carrier and yard; combining TOS , GOS, vehicle booking information for external and internal reporting of volume, productivity by shift, vessel service, operator etc.

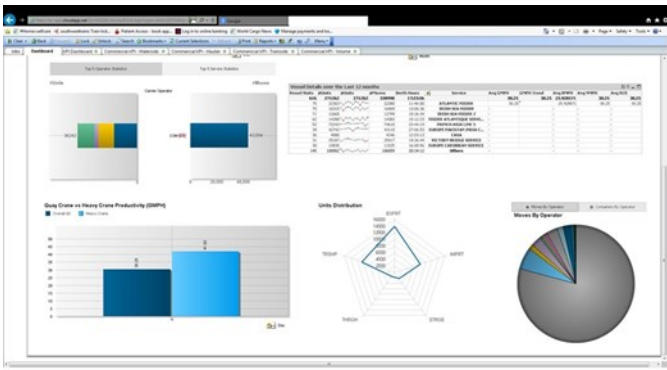
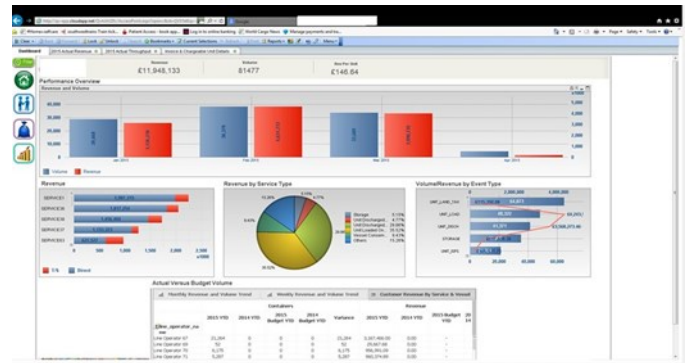
engSENSE : Aimed at engineering users, this analytics module offers periodic views of all equipment Including fleet, status, maintenance activities against operational requirements, labour requirements/cost, planned vs unplanned maintenance, procurement and stores, reporting via all operational systems





labourSense : Aimed at operational & labour users reporting on labour pool, skill, availability, deployment, labour hours & cost including shift and vessel level costing enabling availability of cost effective labour for operations.

revSense : Aimed at commercial users, this analytics module offers periodic views of operational and invoice details from TOS, billing systems, reporting on volume, productivity, revenue by period, carrier, customer, service including invoice accuracy & operational reconciliation



finSense : Aimed at Finance users, this analytics module offers periodic views of GL information reporting on financial accounting systems, providing trial balance, balance sheet , P&L and cash flow by period, legal entities and account code.

ExecSense : Aimed at executive management, this cross functional module doofers periodic views of functional and financial performance on industry standard KPI's covering vessel, container, truck, train, yard, equipment and labour operations can be viewed analysed and drilled down into.





About Infolayer

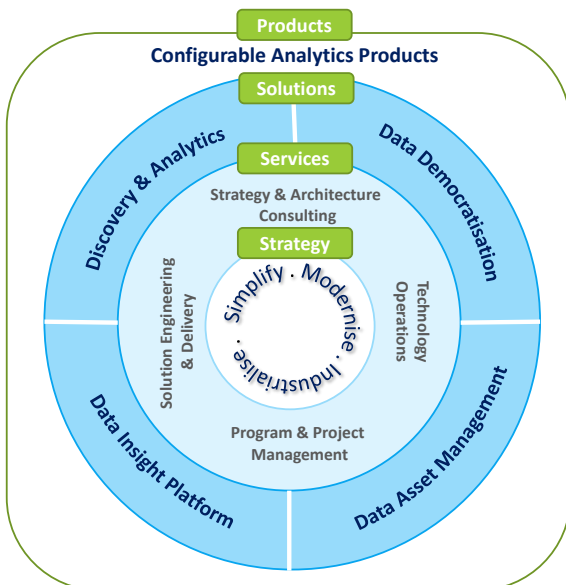
- * Specialist Data & Insights Consultancy
- * Incorporated in 2014 to target Business Intelligence opportunities in the Ports & Terminals, Logistics and Financial Services sectors
- * Promoted by industry professionals with deep industry & domain expertise.
- * Private Limited company with operations in Europe and India.

Vision & Mission

We focus on building 'data driven' lifetime stakeholder communities for clients driven by mutual trust, continuous value creation and cost effective experiences



Core Offerings



- ◆ **Configurable Analytics Products**
 - TerminalSENSE (Ports & Terminals)
 - VesselSENSE (Offshore Vessel)
 - ServiceSENSE (Enterprise Service Management)
 - DataSENSE (Data Asset Management)
- ◆ **Template driven data insight solutions**
 - Discovery & Visual Analytics
 - Data Democratisation
 - Data Asset Management
 - Data Insight Platform Engineering/ Management
- ◆ **Data insight expert consultancy services**
 - Project Managers, Architects, Engineers & Analyst

Contact:
Kevin Hayden - Client Director
Tel: +44(0)7498689855
Email: Kevin.hayden@infolayer.co.uk