

ARTIFICIAL & BUSINESS INTELLIGENCE

CONVERTING DATA INTO BUSINESS VALUE

CONSIDERING DATA AS A STRATEGIC ASSET | The logistics sector can greatly benefit from using artificial intelligence (AI) and business intelligence (BI) to optimize its business operations, enhance data-driven decision-making, increase traceability along the end-to-end supply chain, and track and proactively support environmental sustainability.

HPC supports clients to harness business value from data, enables ports to strengthen their role as digital hubs, connects different stakeholders efficiently to each other, and facilitates an efficient and cost-effective movement of goods.

PERFORMANCE OPTIMIZATION | HPC's AI & BI expertise can support port and terminal operations by jointly analysing various data sources to identify bottlenecks, inefficiencies, and areas for improvement in port activities such as vessel scheduling, cargo handling and logistics management. By gaining insights from data, ports can streamline processes, reduce delays, and enhance the overall performance.

SUPPLY CHAIN TRACEABILITY | HPC's BI and IT consulting services enhance visibility and transparency across the entire supply chain network. Ports can take advantage of comprehensive dashboard solutions and automated reports to monitor cargo flows, track shipments, and provide real-time updates to customers and stakeholders. This increased visibility can be used to optimize logistics, minimize delays, and improve customer satisfaction.

REVENUE OPTIMIZATION | HPC's BI specialists and data scientists can assist ports in identifying revenue generation opportunities. By analysing data on vessel types, cargo volumes, customer preferences, and pricing structures, ports can develop targeted marketing strategies and pricing models. They can identify underutilized assets and capacity, explore new business avenues, and optimize revenue streams.

#20+ CONSULTANTS

At HPC, Data Scientists, Data Architects, BI Developers, AI Specialists and IT Consultants are dedicated to delivering excellence in intelligent systems for our clients

REFERENCES

HPC has successfully implemented projects in the areas of terminal analytics, financial analytics, yard operations, digital roadmap strategies and product portfolio optimization, and cyber risk management

SCOPE OF SERVICES

Benefit from choosing HPC as strategic partner along your digital roadmap towards innovative, automated, and data-driven business operations.

At HPC, we plan, design and launch customized artificial and business intelligence solutions based on your requirements today and in the future.

NEEDS ASSESSMENT & STRATEGY DEVELOPMENT

- In-depth assessment of current operations, challenges and goals.
- Identifying key areas where AI and BI can add value.
- Developing a data-driven strategy & roadmap for embedding the conversion of data into business value.

DATA GOVERNANCE & INTEGRATION

- Assessing the data landscape and data maturity.
- Designing and implementing data governance frameworks and best practices.
- Developing strategies for data integration and interoperability.
- Collaborating with stakeholders in the global supply chain to establish seamless data exchange.

DATA INFRASTRUCTURE & ARCHITECTURE

- Evaluating the existing data landscape and data maturity.
- Development of data architecture frameworks and support for implementation in the organization.

ANALYTICS & VISUALIZATION

- Identifying relevant KPIs and metrics to measure performance and support decision-making.
- Designing and implementing analytics models and algorithms to extract insights from port and supply chain data.
- Developing interactive and intuitive dashboards and apps to facilitate data exploration and decision-making.

METHODOLOGY

The methodology of AI and BI intelligence services involves observing and collecting data, understanding the underlying factors, predicting future outcomes, and prescribing proactive actions.

The solutions aim to master complexity by leveraging data-driven insights to increase business value through informed decision-making and optimization strategies.

