

LOGISTICS: KEY ENABLER FOR BUSINESS PERFORMANCE

Adequate logistics provide the ability to deliver customers on demand the products that meet their expectations in terms of volume, quality and timeliness.

The logistics system is a key enabler for the business to make this happen. Constraints in the system can limit the opportunities.

To meet this challenge, the logistics system must be able to receive, store, blend and export many grades of oil products and anticipate varying feed supply, product demand and fluctuating production in a changing environment. The system must operate at a high level of availability, reliability and optimised cost.

LOGISTICS REVIEW

EPS's Logistics Review provides a quick scan on your logistics ability to support your business. The Review is a structured way to evaluate the logistics system. Options to optimise or de-constrain the system are indicated.

The Logistics Review focuses on the effectiveness and efficiency to handle the volumes and operating modes, considering:

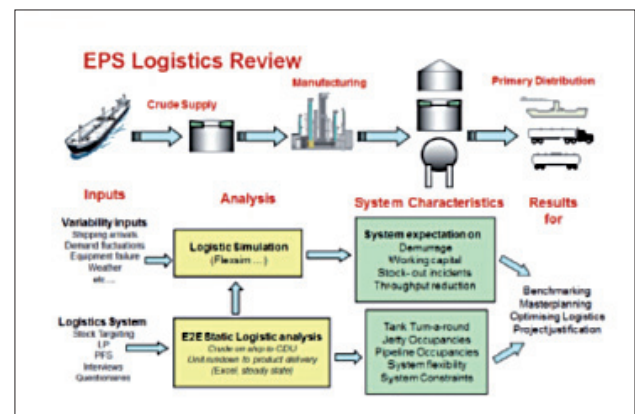
- System Supply Characteristics;
- Unit Production and Operating modes;
- System Export Characteristics.

The Logistics Review takes a holistic view on a total facility or supply chain to identify process connections and understand how these interact to arrive at optimum solutions.

Changing supply, product portfolio, volumes and unit production can trigger a review to ensure that the logistics system supports the changes or requires modification.

SCOPE

The scope of the logistics review can be any system, varying from a simple terminal to a complete complex refinery or to a full global supply chain including 3rd part facilities. It will always be tailored to meet customer-specific requirements or areas of focus.



METHODOLOGY

The review identifies issues that operators, schedulers and supply chain optimisers are faced with in day-to-day operations. These issues are found by interviewing key employees and by review of management information. The review also focuses on capturing ideas for improvement.

A logistics model simulates utilisation parameters for tanks, loading lines, blenders, harbour and rail/truck terminals. The model calculations are cross-checked with your team that operates the assets.

The results are used to define ideas for de-constraining and optimising the logistics system. These ideas are given business priority by ranking them applying risk assessing techniques. The ideas generation not only focuses on technical solutions but also addresses procedural, contractual, scheduling, resourcing and/or organisational issues. The Logistics Review can also identify ideas that will improve the system without major capital expenditure

PROCESS

EPS applies a standard review process that involves building a logistics model and actual simulation to verify the system utilisation, constraints and risks.

The steps in this include:

- Review Preparation and Kick-off;
- Information gathering, interviewing key people;
- System Modelling;
- System Analysis and Option generation;
- Presenting Insights and Reporting.

Customers are engaged in each step to ensure that the end result is fit for purpose.

REPORTING

The Logistics Review Report will contain:

- High Level overview on the logistics system capability and characteristics as-is;
- Identification of the main capacity constraints and issues assessed in view of the business needs and options to improve;
- Proposals to improve the logistics system effectiveness and efficiency, with risk and benefits ranking.

The review results will be presented during a close-out meeting seeking full endorsement of the client. The Logistics Review Report is the natural starting point for creating an Oil Movement Master Plan and starting the project feasibility studies for the individual proposals, as the next step of asset development.

LOGISTICS REVIEW SUMMARY

- Provides an overview picture on the logistic ability to support the business;
- Identifies areas of weakness within the logistics system, so local action can be taken to improve the system;
- Addresses areas of change within the logistics system to anticipate new business challenges;
- Addresses impact of new process units and revamps;
- Enhances focus on a risk-based approach so resources can be concentrated on the weaknesses that pose the greatest threat to performance;
- Strengthens scope and business case robustness for project proposals on logistics.
- Identifies constraints in the system which lead to sub-optimal operation with options to de-constrain.

CONTACT

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