



Wipro's LNG
supply chain
optimization



In the LNG supply chain, planning and scheduling is needed to manage the production, storage and loading facilities. Longer time taken to prepare annual delivery plans using spreadsheets for data compilation is detrimental to annual tactical plan execution. There are several terminal operations and shipping analysis/voyage management challenges that an LNG company faces.

The solution

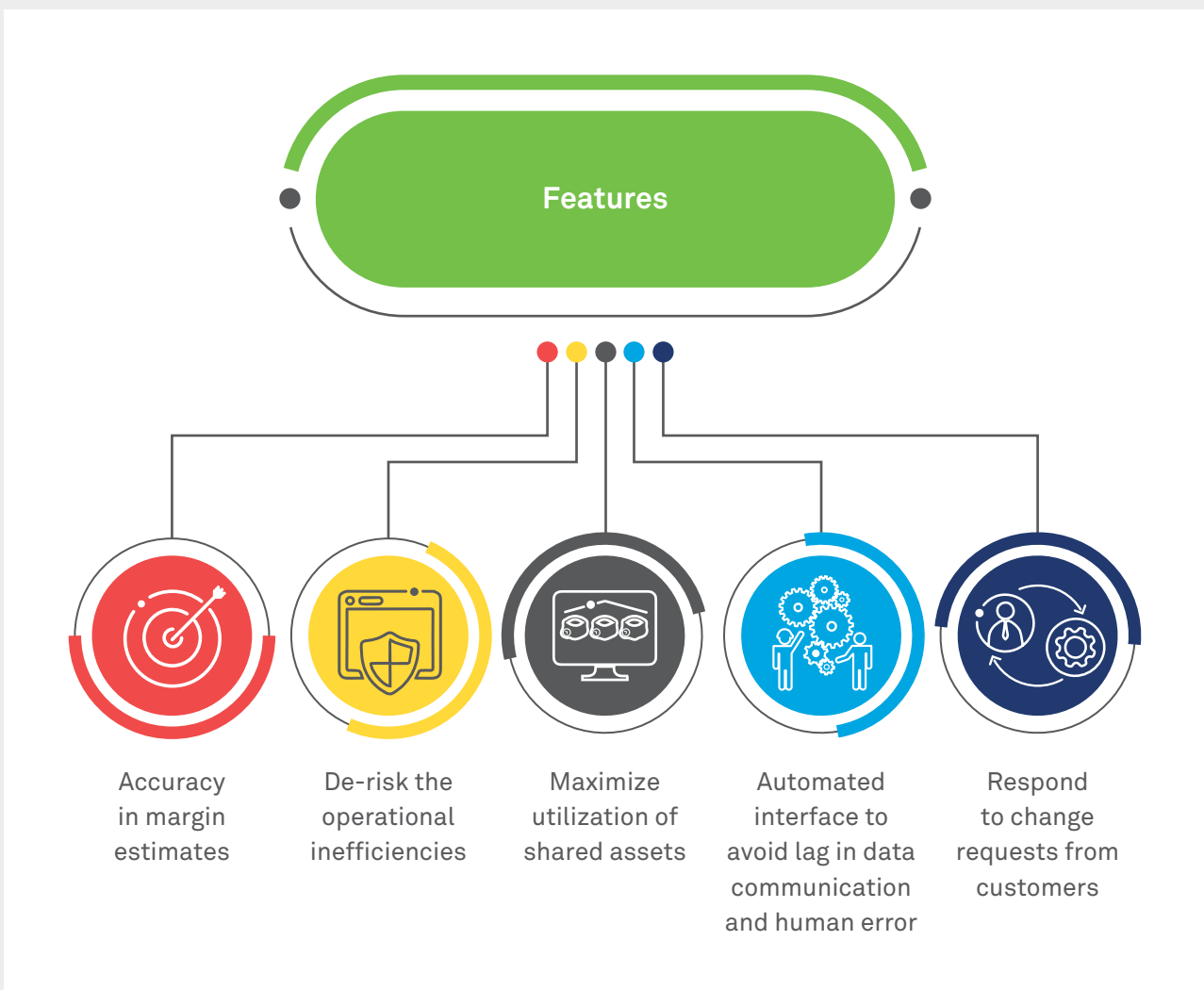
Wipro offers an integrated KPI driven and optimization system for production, delivery planning, storage and berth scheduling, with interfaces to shipping and manufacturing systems. Key solution capabilities include:

- Detect potential disruptive events and trigger alerts to warn users
- Scenario comparison and what if analysis

- Re-optimization based on actual events
- Role based user authorization for more than 100 users
- Knowledge documentation on enterprise portal—SOPs and end user manuals

Benefits

- Maximize opportunity through flexi contracts
- Gain quick analysis and decision making with user friendly graphical representation
- Identify LNG spot sale opportunities
- Increase accuracy of cash flow and working capital estimates
- Identify the trade-offs between various options/customers



Success stories

Client: One of the world's largest LNG producers

Solution: Implement the planning and shipping solution for a LNG company to manage strategic, tactical and operational plans and optimize for:

- Production and delivery
- Terminal operations
- Berth lifting schedule

Business impact:

- 7-10 % margin improvement
- Impact on KPIs always visible in schedules

- Reduced time and efforts for plan generation—75 days to 1 day
- 100+ user access—auditable and secured system

- **Maximize utilization of shared assets**
- **Identify LNG spot sale opportunities**





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