

# Rapid Start Supply Chain Optimization

## Evaluating and integrating Oracle Value Chain Planning

Enterprise Solutions



In a conventional manufacturing model, when demand drops, inventory levels surge, which causes enterprise-wide stress on financial performance. Sophisticated manufacturers — well-prepared supply chain leaders — know how to relieve this cycle of pressure and in the process exert a powerful impact on business performance. Their key is an integrated and synchronized supply chain planning (SCP) system: a combination of good management for smart decision making and the right information technology to access the data those decisions depend on.

Tata Consultancy Services (TCS) offers you **Rapid Start Supply Chain Optimization**. Our solution helps you implement the right technology to drive the right data to you and then we work with you to make smart, innovative decisions based on that data. A vast amount of data is already available within your business, but in order to access and process it, you need specialized tools, like the **Oracle Value Chain Planning** platform — specifically, **the Oracle Demantra Demand Management, Oracle Inventory Planning, Oracle Advanced Supply Chain Planning** and **Oracle Production Scheduling** modules. The TCS experts can integrate this powerful business solution into your enterprise and then fine-tune your supply chain processes so that you maximize the benefit from your investment.

## Overview

We understand that without an optimized supply chain, you face a number of obstacles to excellence, including:

- Lack of the cohesive planning and scheduling processes required to drive detailed Demand, Inventory, Procurement, Manufacturing, and Assembly schedules
- Multiple sites served by non-standard, site-specific tools that are heavily dependent on manual processes
- Reliance on legacy SCP footprints rather than holistic and constraint-based planning, limiting effective responses to business changes and global demand volatility

Our Supply Chain Planning Optimization solution helps you mitigate business risks, gain a clearer understanding of value chain complexity, and fully prepare your organization to implement Integrated Sales, Inventory and Operations Planning.

TCS validates that the Oracle Value Chain Planning suite is the right technology for your business — including a determination of implementation time. Our validation is based on multiple factors that surround your supply chain planning. The tool must enable an integrated demand-driven planning process that is capable of addressing changing business scenarios and providing a clear understanding of the cascading effect of change on the supply chain. It needs to generate an output that helps you not only mitigate risks but also optimize resources.

The supply chain plan must align with your overall business goals and strategies. Specific strategies need to be in place to ensure cross-functional stakeholder alignment and buy-in. The use of planning technology needs to optimize the planning process and support business scenarios so that you can maximize the value of the solution.

## Our Solution

To optimize your supply chain planning, the TCS team follows a systematic approach which focuses on:

### Rapid Launch

The approach includes pre-built industry templates (use cases, configuration, processes and tools) that significantly reduce the upfront time in requirements gathering and assessment. The option of hosting the POC in a TCS environment avoids infrastructure delays and reduces timeline.

### Proof of Concept

A prototype enables your supply chain managers to evaluate their current situation and explore the impact of various business scenarios on downstream business.

### Hosted Platform as opposed to On-premise Implementation

We provide a hosted infrastructure platform for Oracle Demantra Demand Management, Inventory Planning, Advanced Supply Chain Planning, and production scheduling for the proof of concept phase with the option of a monthly subscription model covering Services, software and/or hardware.

## **Integrating Business and Technology**

The TCS team conducts an intensive assessment to identify specific business scenarios, planning problems and assess existing environment. We fully extract and explore the tool's capabilities and applicability in order to maximize its value and support all your supply chain objectives.

## **Industry Template and Live Data**

Our pre-built industry templates (configurations, processes and tools) demonstrate the integrated Sales, Inventory and Operations planning process, impact of change events for specific business scenarios, which are modeled using live input data as test cases. These templates include:

- One number consensus global demand plan with global demand visibility and forecast disaggregation
- Forecast accuracy analysis, measures and fine tuning based on change events and causal factors
- Integrated Inventory plan with respect to demand forecast and variability with service level constraints
- Integrated Demand, manufacturing and procurement plan with time phase safety stock demand
- Re-planning scenarios with respect to volatile demand , supply and Engineering change scenarios:
- Supplier phase-outs — rationalize the supply base and implement sourcing strategies
- Impact of constraint based supply planning and production schedule on Supply chain in view of capacity limitations and what-if scenarios
- Analysis of a plan's outputs and business impact for S&OP meeting — demonstration of the Sales and Operations Planning (S&OP) process
- Incorporate additional scenarios to support specific business needs

## **Benefits**

### **Experience flexibility**

Unravel the complexity of technology implementation and implementation risks with a fixed scope.

### **Gain cost benefits**

There are no capital investments for infrastructure if you opt for the hosted model.

### **Increase efficiency**

TCS' proof of concept and rapid launch deployment framework shorten the timeline and quickly generate savings.

## **Obtain buy-in from stakeholders**

The optimization program predicts and ensures stakeholder buy-in and alignment.

## **Introduce agility**

Your business is able to manage demand volatility and engineering changes more effectively.

## **The TCS Advantage**

TCS drives business results through IT enablement. Our comprehensive range of solutions and expertise in the supply chain planning space is anchored by our Supply Chain Center of Excellence and complemented by our service offerings that include consulting, supply chain assessments, product evaluation, implementation, risk-free upgrades and production support.

Our established industry solution units enable us to focus on vertical industry solutions, ensuring cost-effective, quality solutions that can be brought to market faster with a clear understanding of best practices and customer business issues. Our Enterprise Solution SCM consultants also bring in cross-product expertise for evaluating different technology platforms, if required.

## **How we help our customers**

A leading manufacturer of aircraft passenger cabin interior products had a disintegrated supply chain characterized by large inventory, high costs of material and transportation, and lack of S&OP. We created a rapid and cost-effective POC in about 12 weeks using our Rapid Start program with no capital investment from the company. We used an infrastructure cloud to host Oracle APS and used live data to prove concepts and process improvements. Our solution uncovered opportunities for 20% inventory reduction and justified the business case for an advanced planning solution that delivered a rapid ROI.

A top provider of oilfield services in Latin America used manual planning processes within its disintegrated supply chain and worked with a legacy ERP system that had no advanced planning capabilities. With our Rapid Start program, we identified critical business scenarios and created a POC within 8 weeks. We integrated legacy

ERP data into Oracle APS and developed long-term ASCP plans. We demonstrated business scenarios to

stakeholders and guided them through analysis of the plan output, which resulted in complete stakeholder

alignment on the solution. With Rapid Start, we identified and helped address several data issues, thus

de-risking the subsequent deployment. Phase I of the deployment was completed in 4 months at the company's plant in Latin America.

## About TCS Supply Chain Center of Excellence

In today's volatile and unpredictable business environment, the TCS Supply Chain Center of Excellence brings certainty to our clients' supply chains. We develop and implement best-in-class solutions that cater to your complete supply chain transformational needs and drive superior business performance. Our solutions span strategy and business process consulting, packaged application implementation, outsourcing and our unique 'supply chain as a service' business model, which serves as a turnkey resource to help you realize your goals. We work across best-in-class SCM technologies such as Oracle, SAP, JDA, SAS, Kinaxis, and Manhattan Associates, with companies in Manufacturing, High-Tech, Telecom, CPG and Retail. We extend business advantages by designing and simulating next-generation supply chains, driving total enterprise cost, and renewing — as well as streamlining — the technologies, applications, and systems that enable the enterprise. To learn more about how we can leverage our domain expertise, analytics and insights to help you optimize your supply chain,

contact [global.supplychain@tcs.com](mailto:global.supplychain@tcs.com)

## Contact

To know more about TCS' Rapid Start Supply Chain Optimization, contact [Entsol.Scm@tcs.com](mailto:Entsol.Scm@tcs.com)

### About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering and assurance services. This is delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development. A part of the Tata Group, India's largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

For more information, visit us at [www.tcs.com](http://www.tcs.com)

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