Accelerate your journey to a Digital Core with LTIMindtree's Semiconductor Industry Solution Suite

Overview

The global semiconductor industry is in the process of accelerating digital transformations by investing in key enablers like agile deployments, cloud-based solutions, AI/ML based automation and advanced data & analytics. We have converted our extensive experience in the semiconductor industry into a pre-configured S/4HANA set of solutions to jumpstart a new project. We have helped global semiconductor majors deliver breakthrough business outcomes and improve their KPIs, leveraging our industry starter pack for improved product costing with predictable margins, reduction in manual efforts for Outsourced Assembly and Testing & Silicon Foundries Integration, efficiency improvement in planning, procurement & production order confirmation process, etc.

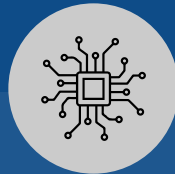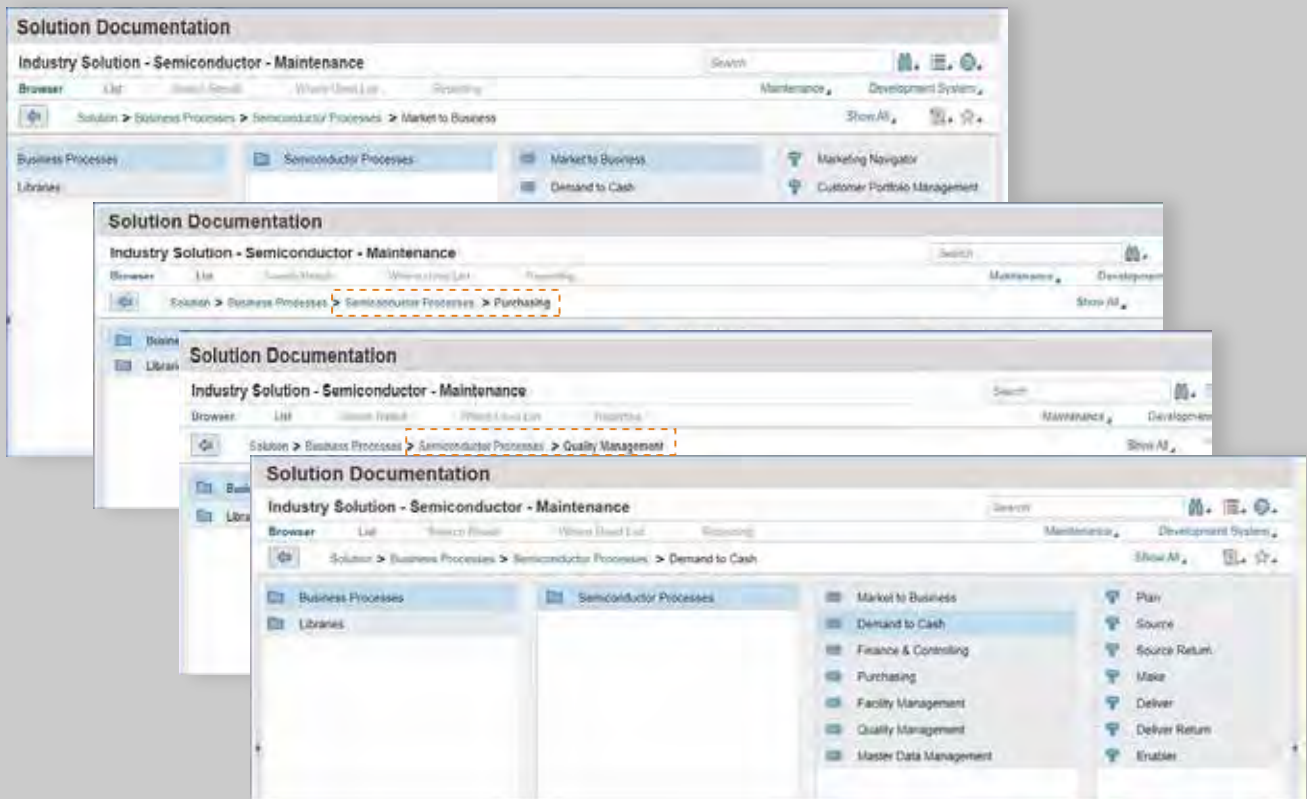| LTIMindtree experience across semiconductor industry value chain	+	Semiconductor best practices for S4 HANA	+	LTIMindtree preconfigured solutions	=	LTIMindtree semiconductor starter pack

LTIMindtree Experience across Semiconductor Industry Value Chain

LTIMindtree has proven experience and knowledge in the semiconductor industry, bolstered with solution across semiconductor design, supply chain planning, front-end and back-end manufacturing, etc. We bring in this domain experience, along with a wide range of industry-specific solutions, to accelerate your SAP S/4HANA implementations and build an intelligent enterprise.

Semiconductor Best Practices Optimized for S/4HANA

Our Pre-Configured Semiconductor Starter Pack has 150+ Business Process Maps and over 400 Test scripts delivered through solution manager. These ready-to-use kits includes 30+ manufacturing, 10+ supply chain, 10+ procurement, 30+ sales and marketing, 10 + R&D and 40+ after-market services process maps.

LTIMindtree Preconfigured Solutions

We have a stack of 20+ Semiconductor Industry Solutions, which helps you to address very specific semiconductor industry needs.

Photomask Purchasing

Seamless purchasing experience be provided to the purchasing team with the cockpit view of photomask purchasing

15 – 20 % reduction in Manual efforts of Central Purchasing team

Epitaxy wafer Procurement

EPI external procurement integration with SAP PP-DS production scheduling based on business rules

Automation of manual & resource intensive processes reducing co-ordination efforts

Alternate Raw Material Modelling

Enhancing the planning efficiency using alternate raw material modelling solution

8-10% efficiency improvement in Planning, Procurement & Production Order Confirmation process

Yield Management

Operational Technology (OT), and information technology (IT) data from enterprise business applications using ML / AI techniques, to detect patterns and correlations, thus helping maximize yields

Improved Yield by 5 to 10%

Product Costing

Be able to cater to requirement of complex semiconductor scenarios (For e.g. contract manufacturing / toll manufacturing / internal) for product costing.

Improved product costing for predictable margins

Outsourced Assembly and Testing and Silicon Foundries Process Solution

Seamless integration of OSAT & SIFO functionalities with pre-defined integration framework approach

15 – 20 % reduction in manual efforts for OSAT & SIFO Integration

Non-Production Site (NPS) Set-Up

Framework for setting up non-production sites (mostly Sales Offices / Finance Shares Services / R&D)

15 – 20 % reduction in manual efforts for NPS set-up

Serialization and Traceability

Effective after sales warranty claim management and maintenance cost reduction

10% reduction in warranty cost with accelerated warranty processing

In Summary

LTIMindtree's Semiconductor Solution Suite helps you to transform your digital core, automate repetitive tasks, monetize data-driven capabilities, and apply core competencies in new ways. We ensure that digital core is applied successfully to your semiconductor business along the entire value chain.