

## The Perfect Plant Center of Excellence

A collaborative environment for SAP solution providers and customers

### Witness the benefits of true ERP-to-shop floor integration

In an effort to improve their decision-making processes, manufacturing companies are looking for solutions that help them exchange real-time data across their enterprises. The SAP AG Perfect Plant initiative can help your company achieve this goal by enabling you to integrate your enterprise resource planning (ERP), manufacturing execution systems (MES), and other plant systems into a single source of company data.

Using an innovative business approach to delivering manufacturing integration and intelligence, the Perfect Plant initiative provides a collaborative environment where solution partners join forces to create tightly integrated technology ecosystems. As a result, manufacturers gain access to complete best-of-breed solutions that deliver the functionality, integration, data synchronization, and certified platforms they need to optimize performance and maximize their return on SAP investments. Stratus® ftServer® systems play a key role in this vision as the computing platform of choice to support SAP and third-party applications.

To foster development of the Perfect Plant and reduce the risks associated with solution implementation, Tata Consultancy Services (TCS), a key SAP service provider, has established the Perfect Plant Center of Excellence. Located in SAP's U.S. headquarters in Pennsylvania, the center offers your company a chance to witness true ERP-to-shop floor integration.

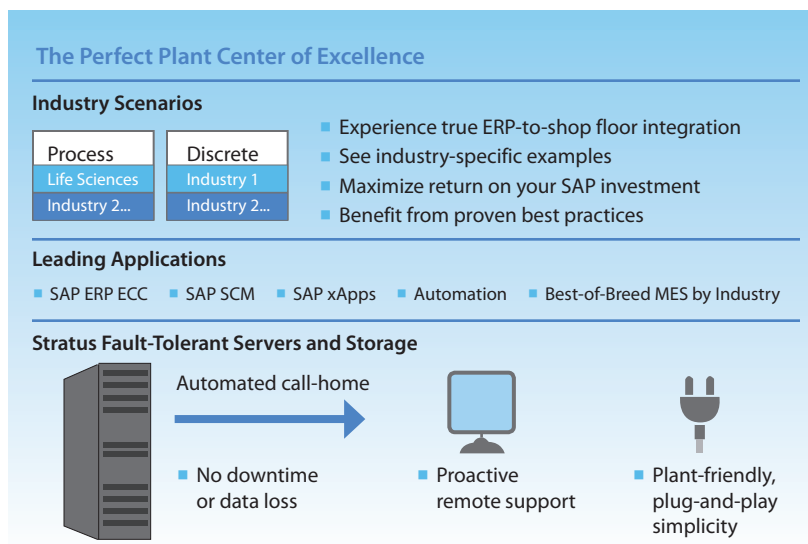
*"The Perfect Plant Center of Excellence goes beyond simple 'what-if' scenarios to demonstrate working solutions that companies can deploy to improve the way they conduct business."*

Ashtad Engineer  
Global Head, SAP Adaptive Enterprise Solutions at TCS

#### Benefits:

- Quick implementation by using rapid prototyping to design, develop, and test solutions
- Enables personnel to detect gaps and design solutions across the supply chain
- Speeds time to value by working with experts to build and test solutions
- Reduces risks by using SAP certified applications and hardware
- Improves decision making by creating models based on simulation results

### A collaborative SAP technology ecosystem



## Bringing the Perfect Plant strategy to life

The Perfect Plant Center of Excellence allows companies to see firsthand how Perfect Plant solutions would work within their operations. Process and discrete industry-related scenarios have been developed through a collaboration of SAP, TCS, and leading third-party solutions providers. These “proof of concepts” are targeted at improving production, inventory, quality and asset management performance, and functionality.

The Center of Excellence houses a host of SAP products, including SAP® ERP Central Component (ECC), SAP® xApp™ Manufacturing Integration and Intelligence (SAP xMII) composite application, SAP® xApp™ Lean Planning and Operations (SAP xLPO), and SAP® Supply Chain Management (SCM) applications, as well as products from key independent software vendors that are SAP NetWeaver® compliant. The platform of choice is the SAP-certified ftServer® system, which delivers the 99.999% uptime required to continuously process transactions and maintain tight integration between your shop-floor systems and main data center.

Designed as a virtual lab, the Center allows visitors around the world to tap into its capabilities without having to leave their own offices. Using the experience, expertise, and best practices gained from implementing SAP solutions, TCS and SAP consultants work closely with your company to understand your specific business problems and then use actual data from your own operations to prototype a Perfect Plant solution that addresses those problems.

Through these scenarios, your company can better understand how SAP Perfect Plant applications, such as SAP xMII and SAP xLPO, can be successfully integrated into your own environment. In addition, you can witness the long-term benefits that can be achieved via a Perfect Plant solution, including reduced costs, increased production and plant efficiencies, and improved customer responsiveness.

## Example: Pharmaceutical Scenario

To improve their competitiveness, pharmaceutical companies must reduce manufacturing costs and supply chain inefficiencies. The pharmaceutical Perfect Plant scenario shows the integration of the entire supply chain from API production to wholesaler distribution. Here, the Perfect Plant system landscape provides manufacturing intelligence dashboards by integrating the SAP Business Suite with the Werum PAS-X MES using SAP xMII.

## Pharmaceutical dashboards include:

- Operations Cockpit: A one-stop information resource for shop floor employees
- Lab Manager View: A consolidated view of batch-quality information
- VP Dashboard: Monitors service levels across plants, analyzes stock levels and values, and tracks key performance indicators

Benefits include full integration between MES, LIMS, and ERP, which enables lean scheduling principles to be readily applied.

*“The combination of SAP applications, products from industry-leading software vendors, Stratus® ftServer® systems, and TCS consulting services allows us to provide customers with the depth of industry-specific functionality, platform reliability, and the delivery expertise required to implement Perfect Plant capabilities.”*

Ashtad Engineer

Global Head, SAP Adaptive Enterprise Solutions at TCS

## About Tata Consultancy Services (TCS)

Tata Consultancy Services is an IT services, business solutions and outsourcing organization that delivers real results to global businesses, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled services 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 over 100,000 of the world's best trained IT consultants in 50 countries. The company generated consolidated revenues of US \$5.7 billion for fiscal year ended 31 March 2008 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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