About TCS iON

TCS iON is a strategic business unit of Tata Consultancy Services focused on enabling institutions, government departments and organisations from multiple industry sectors to be efficient in their recruitment/admissions process, learning and skilling and overall business operations with the use of Phygital platforms. These are platforms that overlay digital technologies over physical assets.

We deliver this with a unique IT-as-a-Service model that provides easy-to-use, secured, integrated, and hosted solutions in a build-as-you-grow and pay-as-you-use business model. We serve our clients with the help of best practices gained through TCS’ global experience, deep domestic market exposure along with industry leading technology expertise.

For more information, visit us at www.tcsion.com

Contact

To know more about the iON Digital Manufacturing Solution
Toll Free Number     1800 209 6030
Email                             ion.salessupport@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, BPS, 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 over 587,000 of the world’s best-trained consultants in 45 countries. The company generated consolidated revenues of US $17.6 billion for year ended March 31, 2017 and is listed on the BSE (formerly Bombay Stock Exchange) and the NSE (National Stock Exchange) in India.

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iON Digital Manufacturing Solution
Enhanced visibility into organizational processes
**Abstract**

In the face of increasing globalization, evolving technologies and fluctuating demand, manufacturing and trading organizations are increasingly digitizing their operations to maintain competitive advantage. Enterprises need an integrated view of their operations for timely and accurate decision-making, to build agile, demand-driven businesses. To improve workforce productivity and enhance customer experience, organizations also need to leverage mobility solutions to provide on-the-go services to both employees and customers.

Tata Consultancy Services’ iON Digital Manufacturing solution helps organizations digitize, automate and integrate enterprise-wide functions and processes. It is a single window IT solution with a pre-integrated suite of software and support services. The solution consolidates multiple applications to provide a comprehensive view of the business, enabling improved processes and better outcomes.

**Overview**

Success of every manufacturing or trading unit depends on meticulous planning, effective day-to-day monitoring of procurement, production, sales and finance divisions and keeping close watch on market trends. In today’s world, it is important to build a connected organization, which leverages information at each stage and eliminates common challenges faced by industry such as:

- Inefficient planning due to lack of visibility into historical data.
- Reduced profitability because of poor inventory management.
- Low customer satisfaction due to inconsistencies in sales fulfillment.
- Statutory and financial non-compliance due to ineffective data management.

iON Digital Manufacturing solution integrates enterprise-wide functions to provide organizations a holistic view of geographically-spread business processes. The solution helps companies identify patterns in price and usage variances to help plan procurement and production capacities dynamically. It streamlines and optimizes procurement operations by automating purchase requisition, payment processing and enabling bulk procurement.

**Office Solutions**
- Messaging (Text, Email)
- Document management

**Business Solutions**
- Customer relationship management
- Human resource management
- Payroll
- Smart identity management

**Finance & Accounting Module**
- General ledger
- Accounts payable
- Cash flow
- Accounts receivable
- Bank reconciliation
- Fixed assets
- Budgeting
- Rolled up groups

**Manufacturing Module**
- Procurement
- Sales management
- Material Requirement Planning
- Engineering
- Production Management
- Quality Management
- Import/Export Management
- Taxation
- Plant Maintenance
- Cost management
- Sub-contracting
- Job work

**An Overview of iON Digital Manufacturing Solution**
The solution streamlines functioning by addressing mandatory taxation, pricing, excise, export, import and standardized procedures. It also enables tracking of costs and revenues per product across locations and monitors the byproducts generated during production to maximize the utilization of raw materials. The solution facilitates regulatory compliance management by performing quality checks at every stage of the production process and generating corresponding certificates of analysis (CoA). Organizations can identify loss-making products with the help of this solution, thereby improving the quality of budgeting decisions and ensuring the realization of returns on investment.

Our solution comprises of multiple feature-rich modules to streamline every aspect of business:

- **Finance and Accounting**
  - Complete accounting management
  - Fixed assets
  - Budgeting
  - Bank reconciliation (Auto as well as manual)

- **Inventory**
  - Receipt of goods with auto bill booking
  - Stock adjustments and transfer
  - Item conversion

- **Procurement**
  - Purchase management
  - Returns to vendor with auto debit note
  - Pricing and taxation

- **Production and Engineering**
  - Production plans
  - Sub-contracting / Job work
  - Job card

- **Material Requirement Planning**
  - Min–max inventory planning
  - Job planning for order
  - Planned purchase orders

- **Sales**
  - Shipments and sales invoice
  - Pricing (customer-wise)
  - Sales cycle management

- **HRMS**
  - Employee management and benefits
  - Recruitment and separation
  - Talent management

- **CRM**
  - Campaign management
  - Daily worksheet management
  - Integration of CRM, Manufacturing and HRMS

- **Document Management System**
  - Document management
  - Uploading and downloading of documents
  - Transaction level document upload

- **Costing**
  - Actual labor / overhead
  - Standard, landed, weighted

- **Quality**
  - User defined specifications
  - Quality control on goods inwards note
  - Certificate of analysis, batch manufacturing report

- **Payroll**
  - Payroll processing
  - Employee financial details
  - Statutory compliance
  - PF and tax processing

Environmental
- 45,000 kg paper saved annually contributing to 1192 trees saved*
- Oxygen availability to breathe 3576 more people* (study shows 1 tree provides oxygen to 3 people)

Economical
- Around 35% TCO reduction to over 100 clients worldwide*

Social
- 600 days employee efforts saved annually* (50% effort reduction in statutory compliance reports compilation)

*Internal research

"Earlier we were using a large ERP application which had its own limitations. TCS, on the other hand provides a web based application which is easily accessible from anywhere, any time. Last but not the least, we are happy with our decision to go with iON, it is worth the money paid without us incurring any capex."

- Rajesh KJ,
  Manager, Information Technology, Rialta

"I believe that all small & medium size enterprises can position their organizations to take benefit from iON that is designed to meet their needs in order to achieve organisational growth. iON meets most of our requirements and improves our overall performance."

- Prithvi Singh Budhiraja
  Director, Moflex Suspensions Pvt Ltd.
Value proposition

iON Digital Manufacturing Solution offers following value proposition to manufacturing and trading organizations:

**Superior financial outcomes**
- Around 35% TCO reduction*
- Around 13% reduction in operating cost*
- Around 17% improvement in on-time shipment*
- Shorten financial transaction close cycles

**Effective inventory management**
- Around 22% reduction in inventory cost*
- Track inventory through real time dashboard

**Fast and accurate processes**
- Around 50% effort reduction in statutory compliance report compilation*
- 100% automated supplier communication*
- Reduce process delay through electronic data interchange (EDI)

**Enhanced decision making**
- Improved feedback across organisation
- On the go access to dashboard

**Optimized resource utilization**
- Around 18% improvement in manufacturing schedule compliance*
- Material requirement planning (MRP) for efficient use of resources

**Improved customer service**
- Improved tracking of warranties and after-sales customer requests

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Sub industries served

*The Advantage*

TCS has garnered extensive industry experience having partnered with global businesses for over five decades and iON Digital Manufacturing solution leverages it to offer best-in-class solutions to its customers.

iON Digital Manufacturing solution offers the following advantages to manufacturing and trading organizations:

**Pay-as-you-use model**
- Cost calculation as per number of users
- Higher ROI through use of Cloud technology

**Enhanced business continuity and security**
- TCS’s backup data centers provide uninterrupted service to customers in the event of a disaster
- Optimal performance with normal broadband connectivity
- Addresses data privacy concerns by ensuring stringent security

**Personalized solution**
- Configurable solution
- Access through mobile devices

**Increased agility**
- Ability to scale up solution as per future requirement
- No additional requirement of personnel

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"Today with iON, I get to see all the information that I need on the go, even when I am at a customer place I can take decisions looking at the information that is available...the office is mobile today..."

- Bharat Mohana, Managing Director – Tech Connect Services

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"On Line, all in One Solution. Excellent Support from TCS iON team. “

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**Sub industries served**

- Process industry
- Discrete industry
- Trading industry

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**Pay-as-you-use model**
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**Ongoing updates**
- Regular updates automatically as per industry best practices
- Availability of most current applications always

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Impact created

iON Digital Manufacturing Solution has created the following impact worldwide:

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- 45,000 kg paper saved annually contributing to 1192 trees saved*
- Oxygen availability to breathe 3576 more people* (study shows 1 tree provides oxygen to 3 people)

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- Around 35% TCO reduction to over 100 clients worldwide*

**Social**
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