

TCS Accelerated Solution Deployed in SAP (S/4HANA) for the Agriculture Industry

TCS ASDS



Food and Agriculture Organization (FAO) predicts that owing to population explosion and rising demand for improved diets, the global food requirement will be unfulfillable by 2050. To meet future demands, there is a need for improving yield through the application of modern technology, efficient farming practices, and enhancement of crop varieties. This overhaul will require streamlining of the end-to-end agricultural production lifecycle including adequate provision of inputs, better pest management, optimized farm management, and digitally enabled agricultural commodity management.

To understand pertinent challenges faced by the industry, Tata Consultancy Services (TCS) works closely with upstream and downstream companies across the agriculture ecosystem. We have harnessed domain knowledge gained through those engagements to build technology solutions that deliver significant results. TCS' Accelerated Solution deployed in SAP S/4HANA for the agriculture industry is one of our key offerings, which provides holistic commodity trading and risk management (CTRM), agricultural contract management, and crop protection solutions built on SAP S/4HANA 1809.

Overview

The agriculture industry has not seen the unprecedented technological changes being witnessed by other digitally mature industries. Traditionally, industry-specific platforms such as the CTRM were spread across multiple applications, leading to lack of real-time visibility, complex integrations, and high operating cost. Moreover, due to limited availability of pre-configured solutions and assets, companies faced burgeoning implementation costs and snail-paced time to value. Multi-geography rollouts were even more difficult to succeed considering difficulties in standardization, replication, and optimization of business processes. Customizable, flexible and scalable commercial-off-the-shelf products like SAP S/4 HANA have alleviated those concerns, however, mapping business processes accurately and creating repeatable assets for faster implementation remains a challenge.

TCS' Accelerated Solution deployed in SAP S/4HANA for the agriculture industry (ASDS-Agri) comes with relevant assets such as business blueprints, configurations, test scripts, user manuals and demo recordings, and comprehensive documentation to accelerate time to production. Conceived by domain and technology experts at the TCS Agriculture Center of Excellence, the offering provides pre-configured solutions for all major cross industry processes and agriculture industry-specific workflows. It allows agriculture companies to set-up and run multiple business scenarios in SAP S/4 HANA quickly and effectively. Furthermore, the solution leverages SAP Fiori to deliver an intuitive interface, enhancing user experience, improving process transparency and boosting organizational efficiency.

Our Solution

TCS Accelerated Solution deployed in SAP (S/4HANA) for the agriculture industry comes with standard processes mapped to the latest version of SAP S/4 HANA (1809) and SAP IBP applications, and encompasses industry-specific process models. It has the following salient features:

- Covers myriad agricultural contracts and allows implementation of derivative contracts specification
- Streamlines key business processes such as market data management, procurement, sales, inventory management, logistics, and commodity pricing
- Optimizes risk management including credit risk, financial risk and hedging risk
- Bolsters crop protection management through optimal implementation of modules across all lines of business such as business planning, procurement, manufacturing, sales and finance

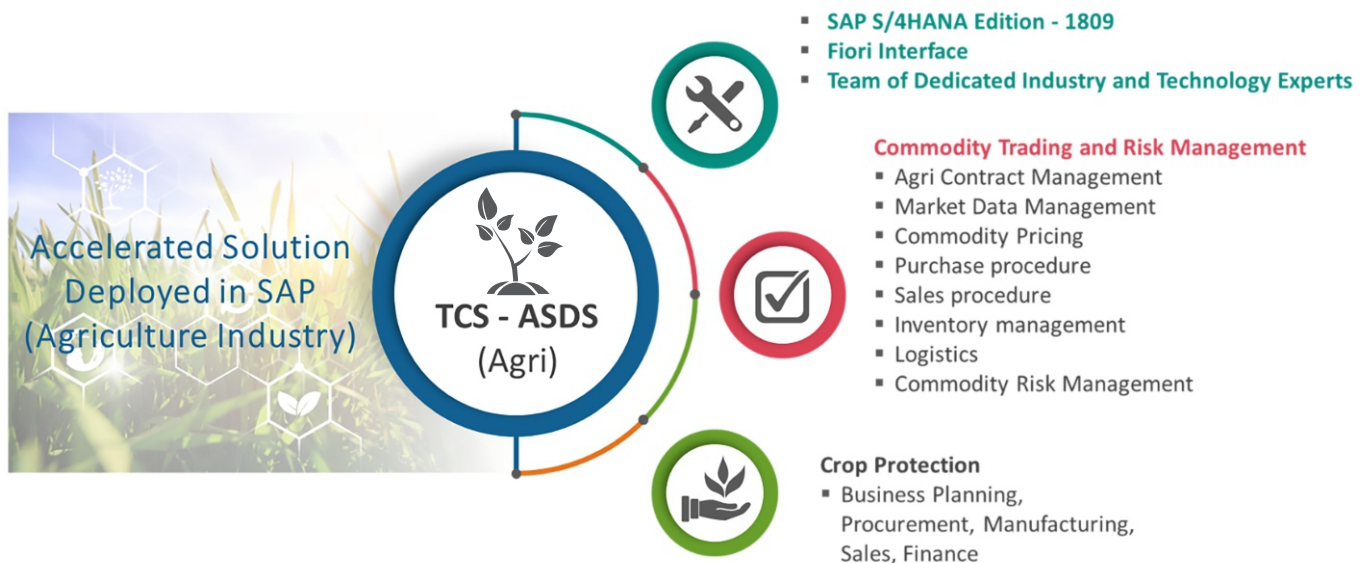


Figure 1 – Overview of TCS' Accelerated Solution Deployed in SAP (S/4HANA) for the Agriculture Industry

Benefits

With TCS ASDS-Agri, you can reap the following benefits:



Faster Time-to-Market: Achieve faster, smoother roll outs leveraging proven methodologies, frameworks and capabilities. Employ pre-configured processes designed by seasoned industry experts and technologists to accelerate time to value and reduce implementation risk.



Lower Cost: Optimize the implementation lifecycle and personnel costs by using plug-and-play assets including process models and an extensive library of business scenarios built on SAP S/4HANA 1809. Reduce rework and chances of unprecedented delays and roadblocks because of the underlying proven process framework. Minimize total cost of ownership (TCO) using SAP HANA's flexible deployment options – cloud, on-premise or hybrid.



Higher Return on Investment: Maximize return on SAP HANA investment through next-generation processes across functions, the platform's intelligent functionality and learning capabilities, improved business decision making and actionable data insights that drive significant business results.

The TCS Advantage

By partnering with TCS, you can benefit from the following differentiators:

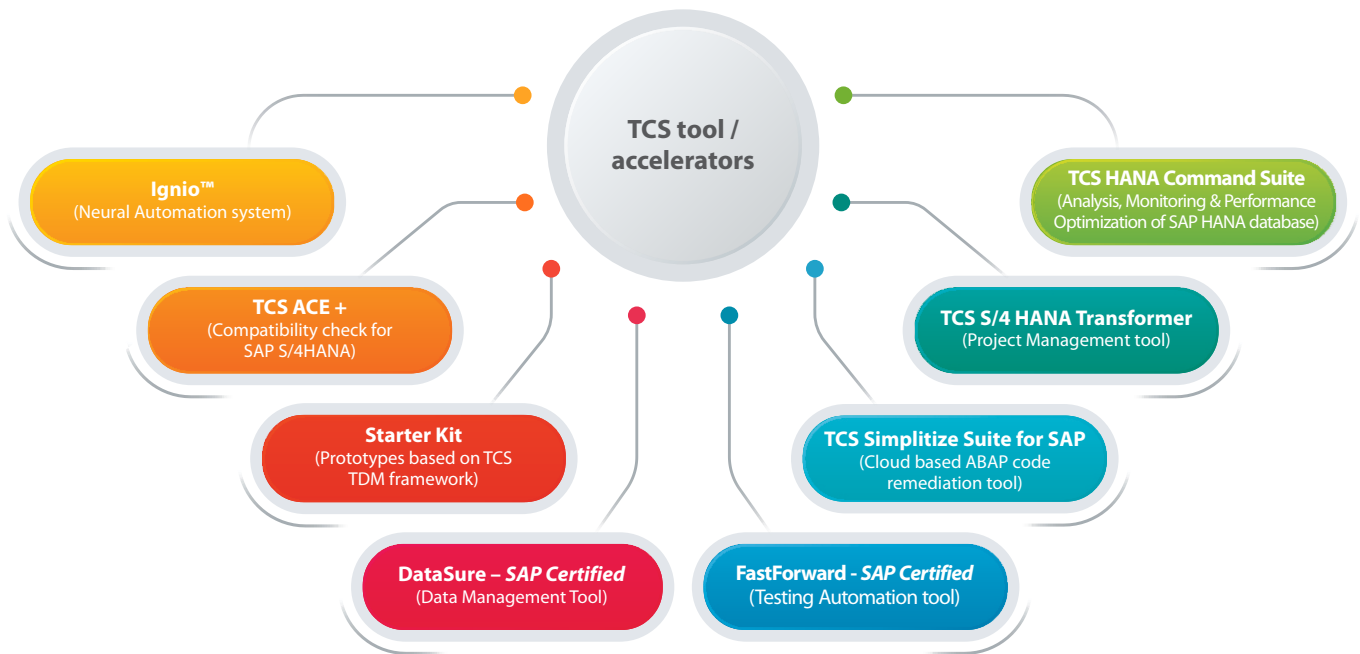
- **Dedicated Center of Excellence:** We invested significantly in building our agriculture center of excellence, which combines the best minds in the agriculture domain and technology to develop future-ready industry solutions, build knowledge, develop capacity, drive enriching conversations with industry leaders and provide guidance to large-scale transformation projects.
- **Domain Experience:** TCS has experience of working with Fortune 500 seed, crop protection, fertilizers, farm credit and machinery companies and has delivered solutions covering the entire value chain – from plant design and manufacturing operations to customer experience management. We have also built a Digital Farming Platform for the Indian market – mKrishi - leveraging our extensive industry knowledge and more than seven years of continuous investment in product development.
- **Strategic Alliance with SAP:** TCS is the preferred implementation partner for SAP Model Company. We have been collaborating with SAP since 1998 to deliver new-age enterprise solutions to global organizations. Our team of 16,500 SAP practitioners spread across geographies is involved in more than 450 ongoing engagements, enhancing workforce productivity, cost efficiency and end customer experience for leading corporations.

Also, we are the exclusive global partner for SAP's internal landscape, overseeing the maintenance and deployment of all their IT systems.

- **SAP S/4 HANA expertise:** Our cohort of 1700 consultants is trained on S/4 HANA and is the largest consumer of SAP learning solutions, striving to expand its knowledge base and learn about the latest offerings and enhancements by SAP. The team is currently working with more than 30 organizations worldwide on SAP S/4 HANA deployments and proofs of concept (PoC).
- **TCS Business 4.0™ framework:** At TCS, we work closely with our clients to help them achieve digital maturity and deliver

superior value for the end customer. We do that by accelerating the adoption of innovative and disruptive technologies such as IoT and artificial intelligence for promoting four key business behaviors:

- Enabling hyper-personalization at scale
- Adopting future-ready, data-driven business models
- Boosting collaboration with customers, peers and partners
- Embracing risk with an agile strategic approach



TCS tools and accelerators:

TCS has a comprehensive set of tools and accelerators to enable your transformation initiative.

Awards & Recognition



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.

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