

TCS ADD™ platform

Life Sciences





The life sciences industry is facing multiple complexities with handling data. In a fast-moving technology landscape, the above challenges, coupled with fragmented data sources and operating in diverse scenarios, have led to organizations being unable to realize value from data. This has ultimately impacted study timelines, workload, as well as increased cost to roll out any new drug to the market.

TCS ADD™ is a suite of modern & open drug discovery and development platform that enables digital ecosystems, simplifies data complexity, and provides faster access to new and effective drugs for patients in need. The digital health platform has specialized offerings in four core areas of drug development i.e., clinical, regulatory, safety, and translational research. TCS ADD™ provides an integrated, cloud-ready, self-service solution that is modular, scalable & flexible, and can be quickly onboarded with minimal setup and training.

Overview

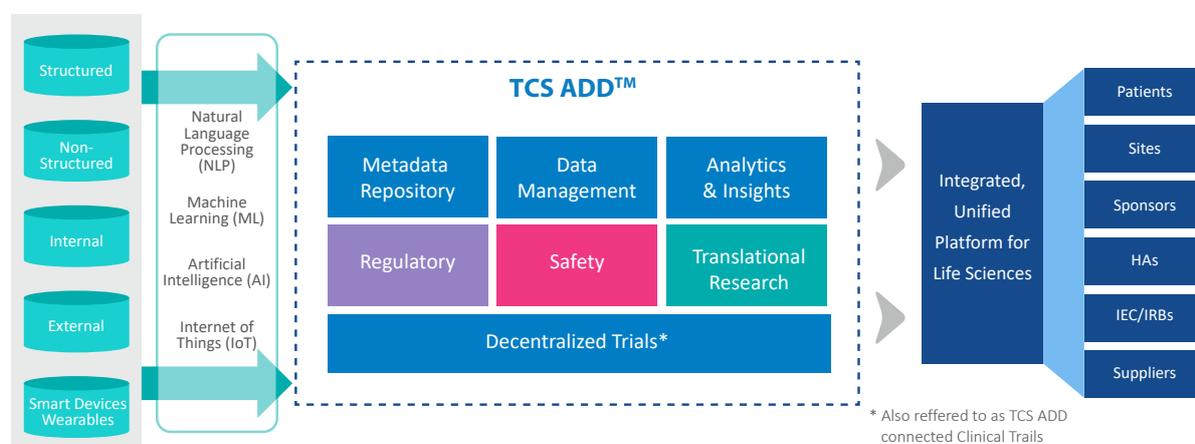
Life sciences organizations are suffering from a deluge of ever-increasing data arising from different sources and mediums. With regulatory and geography-specific requirements continuously evolving, the risk of non-compliance has become more pronounced, resulting in exponentially increasing R&D costs. Besides, due to non-integrated data, deriving insights of clinical trials has become challenging. Also, inefficient engagement at a patient and site-level stemming from lengthy, complex, and difficult to understand data in various standalone systems have led to suboptimal clinical trial execution and delayed the time to market for new, approved drugs to patients that need them the most.

TCS ADD™ platform accelerates the speed-to-market for the life sciences industry across the entire clinical R&D value chain and helps make clinical trials more agile and safe. It embraces and adopts novel digital approaches to streamline data complexity and enables the next level of drug development through its preventive and augmented approach. The platform is powered by a cognitive artificial intelligence engine, data-driven smart analytics, and IoT that provides superior business value to the life sciences industry. The digital health platform leverages the best of cloud architecture and personalized user experience design in compliance with quality guidelines and privacy regulations.

Our solution

A novel suite of digital platforms to help life sciences organizations handle data effectively, the TCS ADD™ comprises of the following offerings:

- **Metadata Repository:** A ready-to-use, interoperable metadata driven AI solution that automates study build, enables robust governance and rapidly transforms and generates submission-ready datasets.
- **Data Management:** Facilitates Integrated EDC features and non-CRF data management, terminology and code management and digital documents.
- **Analytics and Insights:** A data science-driven platform that leverages AI & ML technologies to enable quicker decisions, faster study start-up and targeted interventions
- **Decentralized Trials:** Also referred to as ADD Connected Clinical Trials, this platform digitally harmonizes clinical trials processes using modern and embedded technologies for accelerated speed to market
- **Safety:** An industry leading proactive pharmacovigilance platform with agile AI driven technology that enables touchless case processing and supports diverse data source formats
- **Regulatory:** A modern solution that leverages state-of-art technologies to automate regulatory processes and enable faster & in compliance drug registration



TCS ADD™ Platforms: Schematic Overview

Benefits

With TCS ADD™, the life sciences industry can realize the following benefits:

- **Increased Efficiency & Reduced Workload**
 - Enhances efficiency and productivity with AI
 - Automation replaces the traditional, manual approach at each step of the clinical trial process
- **Improved Data Quality and Oversight**
 - Eliminates data inconsistencies, errors
 - Provides sponsors a holistic oversight on handling data from multiple systems and sources
- **Increased Customer Engagements**
 - Provides easy-to-understand and easy-to-access trial information
 - Eliminates cumbersome manual activities for patients and sites
- **Faster Drug Registration Process**
 - Leverages automation to eliminate or shorten time-consuming steps
 - Enables adaptive trial design to reduce time-to-market.
- **Quicker Go/No Go Decision Making**
 - Backed by real-time and accurate access to data, the platform eliminates guesswork
 - Enables faster and informed decision-making
- **Meaningful insights and prevention**
 - Enables preventive research (e.g. via real-time insights, behavioral analytics) and novel insights (e.g. via analysis on huge quantum of data)





The TCS advantage

By partnering with TCS, life sciences organizations can leverage the following differentiators:



Open, Scalable and Tailored Technology: The BPaaS/SaaS TCS ADD™ platform with a modern, open, and user-first architecture can be scaled up to any level and be configured based on the language preferences of local enterprise users and regulatory requirements. Capable of being implemented either as a standalone solution or in addition to the existing solutions, the platform offers much higher return on capital investments for life sciences organizations due to it being flexible to varying industry needs..



Cross-industry Development: Our solution has been developed as a result of cross-industry collaborations, including input from more than 15 pharma companies, medication & technology suppliers, and patients and sites, via face-to-face workshops & events.



Industry Recognized Solution: TCS ADD has been the recipient of multiple awards, including the 2021 India Pharma Award, 2020 Citeline Award and the 2019 European Innovation Award, among others for accelerating technology innovation for life sciences organizations.



Cross-Industry, Technology, and Domain Expertise: TCS, with its proven expertise in handling private, sensitive, and confidential data in the banking industry, is well-positioned to disrupt the life sciences industry. Our certified subject matter experts are also well equipped to deliver strategic solutions according to customer requirements.



Awards and accolades



About TCS ADD™ Platforms

TCS ADD™ is a modern and open drug development platform™ for life sciences that enables digital ecosystems, simplifies data complexity and provides faster access to new and effective drugs for patients in need. The platform is powered by our proprietary cognitive intelligence engine data driven smart analytics and Internet of Things (IoT) that makes clinical trials more agile and safe. TCS ADD™ leverages the best of cloud architecture and personalized user experience design in compliance with quality guidelines and privacy regulations.

To know more

Visit the <https://www.tcs.com/tcs-add> page on www.tcs.com

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About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is a purpose-led transformation partner to many of the world’s largest businesses. For more than 50 years, it has been collaborating with clients and communities to build a greater future through innovation and collective knowledge. TCS offers an integrated portfolio of cognitive powered business, technology, and engineering services and solutions. The company’s 500,000 consultants in 46 countries help empower individuals, enterprises, and societies to build on belief.

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