

TCS ADD



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 modern and 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 and flexible, and can be quickly onboarded with minimal setup and training.

Overview

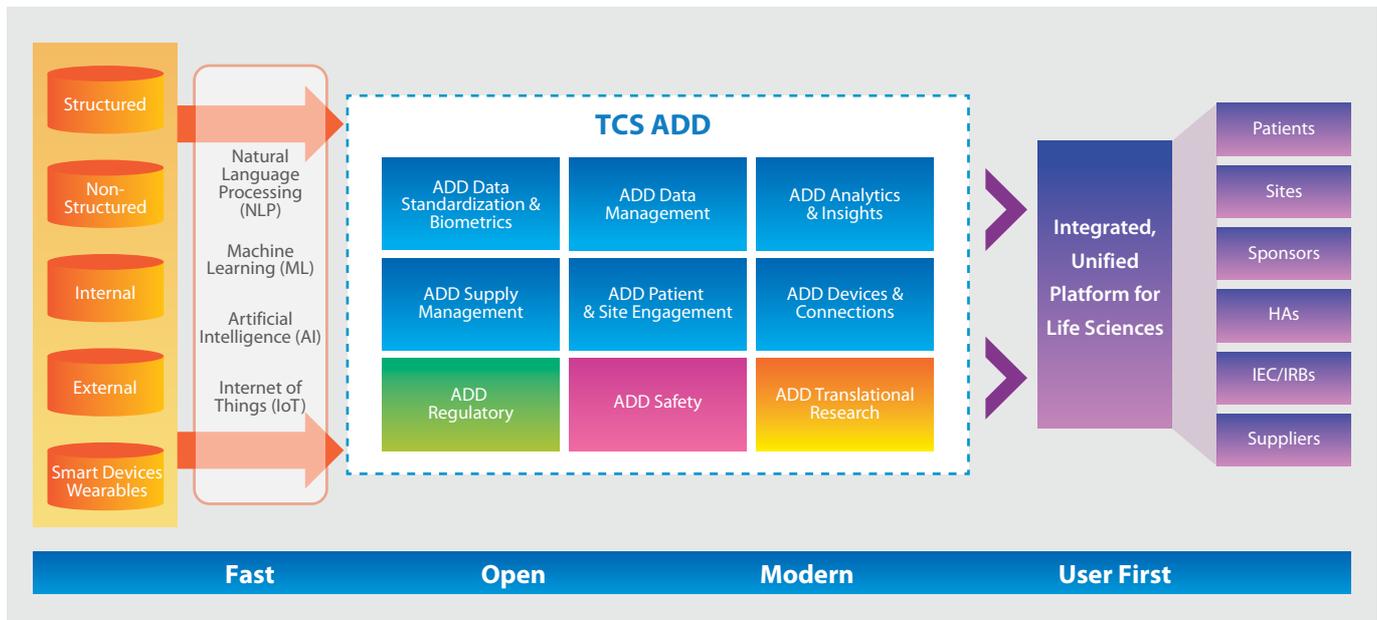
Life sciences organizations are suffering from a deluge of ever-increasing data arising from different sources and mediums. With regulatory and geography-specific requirements continuously evolving, the risk of non-compliance has become more pronounced, resulting in exponentially increasing R&D costs. Besides, due to non-integrated and un-structured 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 information in various standalone systems has 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 our proprietary cognitive 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.

Solution

A novel digital platform to handle data effectively, TCS ADD comprises the following solution offerings:

- **ADD Data Standardization and Biometrics:** Provides automated study build, integrated metrics and oversight, clinical standards registry.
- **ADD Data Management:** Facilitates Integrated EDC features and non-CRF data management, terminology and code management and digital documents.
- **ADD Analytics and Insights:** Enables data driven feasibility, adaptive monitoring and clinical data fabric.
- **ADD Supply Management:** Is powered with features such as digital labels, kit tracking, pill/unit tracking.
- **ADD Patient and Site Engagement:** A novel scalable platform that provides capabilities such as eConsent, personalized notifications, behavioral insights, educational material and audio, smart questionnaires, smart site assistance, voice-enabled data collection and community forum.
- **ADD Devices and Connections:** Is powered by features such as smart devices and wearables, digital biomarkers, bio-sample tracking, telemedicine, etc.
- **ADD Regulatory:** Equips integrated tracking and oversight, regulatory intelligence hub, automated regulatory activities and document creation.
- **ADD Safety:** Provides intelligent safety intake, automated safety case processing, data analysis.
- **ADD Translational Research:** Automates research data collection & processing, advanced analytics & scientific discovery and research data fabric.



TCS ADD Platform: 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 and errors
 - Equips sponsors with 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 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 2020 Citeline Award, the 2019 European Innovation Award and the 2019 India Pharma 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 & Recognition



About TCS ADD Platform

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>

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