

Development and Deployment of Mobile-Enabled Solutions for a Global Clinical Research Organization



Background

The client is a global Clinical Research Organization (CRO) and the world's leading manufacturer of pharmaceuticals, vaccines, and health and well-being products. Embarking on the vision, the client needed solutions to address its Clinical Data Management (CDM) needs.



Challenges

In the process of realizing their vision, the client had following challenges:

- ▶ The collection of clinical data through various formats like paper, excel, Electronic Data Capture (EDC), in-house systems, Electronic Health Record (EHR) tools etc. at sites and reporting it back to the sponsor was taking time. This posed a challenge to the client in making the decisions faster.
- ▶ To reduce the time taken for the 'subject visit information' to be available from 8 weeks to one hour.
- ▶ To provide a data collection framework to increase data and financial integrity.



Business Execution Approach

With a proven expertise, the Trianz team has come up with the below execution approach to address the challenges of the client:

- ▶ Analyzed the existing processes and identified the root causes for inefficiencies.
- ▶ Conducted a data and systems requirement analysis around the client's market segments.
- ▶ Created an app using mobile technologies – Sencha Touch, HTML5, CSS3 and PhoneGap. This app has been built and deployed on the client's app store enabling easy access to all the concerned personnel of the client.
- ▶ Developed the app to be compatible with iOS, Android, Windows 8 devices.
- ▶ Enabled offline usage of the application.
- ▶ Integrated the app with the existing internal apps to provide flexibility, agility and maintain the data flow.
- ▶ Performed change management activities to drives project success by supporting individuals' transition from current to future state.



Successful Business Results

The successful development and deployment of mobile apps for the data capture requirements resulted in the following benefits:

- ▶ Reduced process inefficiencies and increased the speed of data available for consumption at the client site.
- ▶ Reduced time, effort, and cost by entering data directly into the application at the point of action.
- ▶ Accurate data by eliminating integration cycles and paper Case Report Forms (CRFs).
- ▶ Security - Strong authentication and control up to subject level data access from anywhere, anytime or any device.
Availability - Support multiple mobile platforms (iOS, Android, Windows).

About Trianz

Trianz is a dynamic and fast growing firm that helps leaders in client organizations formulate and execute operational strategies to achieve business results from a senior management perspective. With a focus on Business Digitization, Analytics, Cloud Enterprise, Mobility and Cloud Infrastructure, we bring the best of consulting and technology experiences, execution models, and IP to deliver consistent success to clients. With offices in Silicon Valley, Washington DC Metro, New York, Bangalore, Chennai, Hyderabad, and the UAE, Trianz serves a wide range of clients from *Fortune* 1000 to emerging companies in high tech, insurance, financial services, retail, life sciences, public sector and logistics industries.