



# FROM DESKTOP-ONLY TO MOBILE-READY: MODERNIZING TRADE ORDER ENTRY FOR ON-THE-GO PORTFOLIO MANAGERS

Migrating a Pega Trade Order Entry App to  
Constellation for Secure Web and Mobile Access

# About the Customer

The client is a leading U.S.-based investment management firm that provides wealth and portfolio management services to individuals, families, and institutions. With a global client base and a strong focus on research-driven investing, the firm manages complex portfolios across asset classes and markets, supported by teams of portfolio managers who frequently travel to meet clients and stakeholders.

## Engagement Story

For years, portfolio managers relied on a web-based Trade Order Entry (TOE) application built on Pega's traditional UI (UI Toolkit) to create and submit trade orders. The system worked well when managers were at their desks, but it presented a clear limitation: it was not mobile-friendly. Whenever portfolio managers were traveling or working away from their primary systems, they could not access the TOE app directly.

In these situations, they had to depend on internal staff to initiate or submit trade orders on their behalf through the web application. This added extra steps, introduced delays, and occasionally pushed work to the next trading day. As client demands and travel schedules increased, this dependency became an operational constraint with potential impact on trading continuity, responsiveness, and overall risk.

Recognizing that trade order submission needed to be secure, efficient, and accessible from anywhere, the firm set out to modernize the TOE experience. The goal was not to rebuild from scratch, but to preserve existing case history and workflows while enabling portfolio managers to submit trade orders directly from their mobile devices using a modern Pega Constellation-based application.

The firm wanted secure, mobile trade order entry without losing existing case history or disrupting live trading.

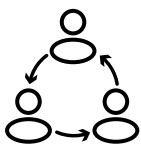
# Key Business Challenges

Managing trade order entry through a desktop-only application created several challenges for the firm's wealth management operations:



## No mobile access for portfolio managers

The existing TOE application, built on Pega traditional UI, was optimized for web and not accessible on mobile devices. Managers traveling or working remotely had no direct way to submit trades from their phones or tablets.



## Operational dependency on internal teams

When away from their systems, portfolio managers had to rely on customer service or back-office staff to initiate and submit trade orders on their behalf, introducing delays and extra coordination steps.



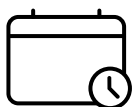
## Need to retain existing cases and data

A greenfield rebuild in Constellation would have required a new case type and risked losing visibility into existing trade order cases created in the traditional UI. The firm needed continuity of historical data for compliance, tracking, and audit purposes.



## Platform constraints and compatibility

Constellation offers a modern, model-driven UI but comes with design and configuration constraints that differ from the older UI Toolkit. The solution had to work seamlessly across web and mobile while respecting Constellation's patterns and limitations.



## Tight delivery window

The firm wanted the migration and mobile enablement delivered in roughly three to four months, with minimal disruption to ongoing trading operations.

Growing trade volume exposed the limits of a web-only, manual workflow. Every day of delay introduced operational risk and friction.

# Desired Goals

From the outset, the firm defined clear objectives for the Trade Order Entry modernization:

- **Enable secure mobile access** for portfolio managers so they could create and submit trade orders from anywhere, without relying on back-office staff.
- **Preserve existing case data and workflows**, avoiding a complete rebuild or parallel case types that could fragment trade history and complicate compliance.
- **Provide a consistent, modern user experience** across web and mobile using Pega Constellation, with intuitive navigation and minimal need for training.
- **Reduce operational friction and handoffs**, cutting the time and effort needed to submit trade orders, especially when managers are traveling.
- **Deliver within a three- to four-month timeline** and ensure trading continuity throughout the migration.

The goal was to give portfolio managers a modern, mobile TOE experience while keeping the same trusted workflows and data underneath.

## Solution

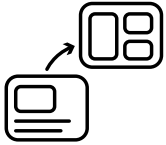
To achieve these goals, the firm partnered with EvonSys to migrate its existing Trade Order Entry (TOE) application from Pega's traditional UI (UI Toolkit) to Pega Constellation. Rather than building a separate, new case type, EvonSys recommended a **migration-based approach**, allowing the firm to keep its existing case structure while exposing a modern UI for both web and mobile.

### The new solution provided:

- A **Constellation-based TOE interface** accessible via browser and mobile, giving portfolio managers direct access on the go.
- A unified experience across personas, ensuring that portfolio managers, operations, and compliance teams could continue to work within the same underlying case types and data model.
- An architecture designed to support **incremental enhancements**, so future phases could introduce additional tools and capabilities without rework.

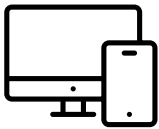
# Key Activities Involved

EvonSys executed a structured migration and enablement program with a focus on speed, stability, and continuity:



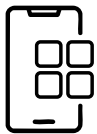
## UI migration to Constellation

Migrated the existing TOE application from the legacy UI Toolkit to Constellation, adapting data models, data pages, views, and personas to align with Constellation patterns while preserving core case types such as Strategy Request, Trade Order, Trade Archer, and Compliance.



## Channel setup for web and mobile

Defined and configured both web and mobile channels for key personas, ensuring that portfolio managers could use mobile for trade entry while other teams continued to work efficiently on the web interface.



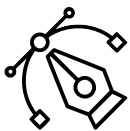
## Mobile app packaging and provisioning

Packaged the Constellation application as a mobile app, configuring provisioning, certificates, and distribution using the client's existing enterprise app deployment process for iOS and Android.



## User experience optimization

Refined the screen flows and layouts to suit mobile usage, focusing on clear steps, fewer clicks, and simplified navigation so portfolio managers could complete trade orders quickly and confidently.



## Phase-ready design

Delivered the core migration and mobile access in the initial phase, with the underlying configuration structured to accommodate future enhancements, such as additional dashboards or decision-support features, without rework.

The team moved from legacy UI to Constellation while preserving core case types and historical trade data.

# Business Outcome

The migration to Pega Constellation and the introduction of mobile access delivered tangible benefits for portfolio managers and the broader trading operation:



## Real-time mobile trade order submission

Portfolio managers can now create and submit trade order requests directly from their mobile devices, without waiting to return to their desks or involving intermediaries.

## Faster trade submission cycles

Trade orders that previously required multiple handoffs and desktop access can now be created and submitted in a matter of minutes, improving responsiveness to market conditions and client needs.

## Reduced reliance on email and manual coordination

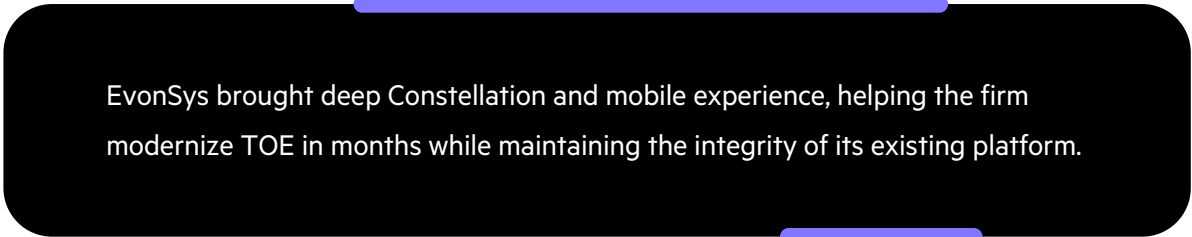
Direct submission via the mobile app and Pega workflows minimizes dependence on email and ad hoc communication, reducing risk and misalignment.

## **Improved user experience and productivity**

A modern, Constellation-based interface provides a cleaner, more intuitive experience, enabling portfolio managers to complete tasks faster and with fewer errors.

## **Continuity of trading operations**

Secure mobile access to Trade Order Entry supports trading continuity when managers are traveling or working remotely, helping the firm maintain service levels and manage operational risk.



EvonSys brought deep Constellation and mobile experience, helping the firm modernize TOE in months while maintaining the integrity of its existing platform.

# Simplify complex processes with EvonSys

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