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U S E C A S E

# Cargill's Approach to Modernizing CA 2E Applications

Migrating Data and Business Logic for  
Historical Reference

## Cargill: Migrating Data and Business Logic for Historical Reference

With 150,000 employees in 70 countries, Cargill provides food, agriculture, financial and industrial products and services to the world. The company's Australian operation needed to retire its IBM i system and save the expenses associated with maintaining it. The company had moved all business applications off the IBM i systems but had not converted historical data into the new system. This information is critical for reference when there are customer complaints or inquiries about data processed in the old IBM i system.

Cargill looked at a number of solutions to convert the IBM i DB2 data into Excel spreadsheets and MS SQL databases. The main flaw with these approaches was that they only converted the data, not the business logic that would interpret the data and present it in a user-friendly manner. In addition, the payback of these approaches was too lengthy.

Working with integrator HawkBridge, Cargill chose CM First Group's CM M3 option as the most cost-effective solution to move the data and business logic to a Java/MS SQL solution. Darryl Millington of HawkBridge explained:

“ Almost all of the other migration suites convert the generated source - which ignores the business rules that are found in a CA 2E Data Model. The M3 migration suite converts directly from the business rules in the CA 2E data model into similar structured business rules in a CA Plex data model. This preserves the investment in business rule development and makes it easier for developers in CA 2E to quickly pick up and understand the business rules defined in CA Plex. ”

Cargill provided the CA 2E model, and HawkBridge and CM First Group automatically converted it into a working Java/MS SQL solution via CA Plex. HawkBridge then installed the solution, and Cargill converted their data (using scripts provided by HawkBridge) from IBM i to MS SQL.

Cargill's application has now been successfully migrated, enabling them to retire the IBM i system and reduce costs. By preserving the legacy business rules, CM M3 enabled Cargill to have the data from their old system at their fingertips in their new system.

## About CM First Group

CM First Group's powerful automation tools, augmented by services partners and professional services staff with many decades of software engineering and DevOps experience, ensure successful outcomes for even the most demanding modernization projects. Our products and expertise have helped over 400 customers in the public and private sectors reach their desired future state faster and more cost effectively than by using conventional approaches.

CM First software quickly analyzes, documents and re-platforms legacy code bases with minimal errors and rework, including those that are too large and complex for humans to tackle in any reasonable timeframe. The output is immediately usable by all team members, regardless of experience and knowledge of legacy software languages, accelerating application maintenance and modernization projects.

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