


BUSINESS SERVICES

MEETING REGULATORY OBLIGATIONS AROUND RISK MANAGEMENT, GOVERNANCE AND INTERNAL CONTROLS IN BANKING

Learn how a leading global bank uses Dassault Systèmes' solution to **standardize data models**, improve **data governance** and **internal controls** to meet the regulatory data governance requirements.



In the dynamic world of modern banking, the necessity for robust risk management and internal controls is undeniable. The global bank, when faced with regulatory scrutiny and the need for improvement, embarked on a journey to enhance its enterprise-wide risk management, compliance risk management, and internal controls. This determination to address deficiencies and improve prompted a critical evaluation of the bank's processes, starting from the ground up. A comprehensive solution for data modeling and standardization was seen as the cornerstone to regulatory compliance, reinforcing the bank's commitment to addressing its challenges head-on.

RECOGNIZING THE COMPLEXITY

As a complex global provider with a history of growth through mergers and acquisitions, the banking institution found itself grappling with hundreds of different technologies and thousands of daily processes. None of the lexicons or data structures were aligned. Our customer's struggle to define a single referential for all applications within their data model and ensure secure and consistent data interpretation throughout the organizations' myriad of daily data flows is a situation many can empathize with. They needed a robust solution that would stand up to regulatory scrutiny, a challenge that many in the industry can understand.



OBJECTIVES: DEFINE A SINGLE REFERENTIAL ENTERPRISE-WIDE

The regulator highlighted deficiencies in the bank's enterprise-wide risk management, compliance risk management, and internal controls. To improve risk management and internal controls as mandated by the regulator, our customer needed to start at ground zero and establish clear objectives as a roadmap for their transformation:



Define a single referential for all data model applications used within the global enterprise



Build robust and consistent conceptual and logical models to drive physical model development



Ensure consistent interpretation and definition of data across all operational flows



Improve collaboration and drive efficiencies by establishing a common language between IT and business owners and creating transparency in the referential

CHALLENGES: NAVIGATING REGULATORY PRESSURES

The challenges faced were significant:

- A growing, dynamic, global banking business constantly adding and changing products, services and processes meant the referential and models have to stay up to date
- Increasing and complex regulations and the escalating cost of compliance added pressure and complexity to the project
- Lack of a shared understanding of operational processes and dependencies meant getting the business involved
- Lack of common ontology for data and processes made collaboration between the business and IT difficult
- Creating a solution that was cost and time efficient and could evolve as the banks' business grew and changed

ENTERING CATIA MAGIC FOR DRIVING STANDARDIZATION AND EFFICIENCY



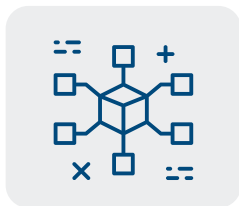
In response to these challenges, the banking institution opted for DASSAULT SYSTEMES' [CATIA Magic](#), a state of the art, global model-based systems engineering solution. CATIA Magic is well known in the aerospace and defense and manufacturing segments for its flexibility in logical models and compliance with Unified Modeling Language (UML) standards. CATIA Magic's proven track record modeling complex systems of systems in these demanding segments made it the ideal choice for addressing the bank's complex requirements.

The implementation of CATIA Magic has yielded promising results:

Starting by building a wholesale credit risk data structure, the bank is using CATIA Magic to build the conceptual and logical models. Then, the bank is using CAMEO Model Transformation to build the physical model from the conceptual and logical models, ensuring consistency. Finally, the bank is using CATIA's [Teamwork Cloud](#) solution to manage the data models as code. This enables them to keep everything up to date and in sync.

This standardized approach can now extend throughout the entire company's complex operational systems, and be replicated across other critical business services, thereby ensuring consistency and efficiency organization-wide.

Benefits



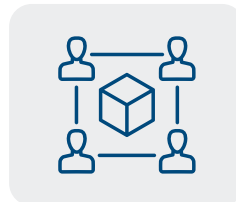
1. Advanced Data Modeling Capabilities



2. Data Integration and Interoperability



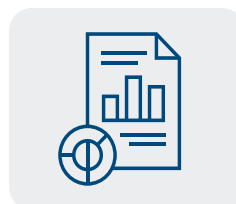
3. Compliance and Data Governance



4. Collaboration and Model Sharing



5. Visualization and Reporting



6. Model Validation and Simulation

EXPANDING HORIZONS FOR THE FUTURE

Looking ahead, Dassault Systèmes is committed to a strategy of data model standardization that involves actively engaging with customers to support the expansion of applications around operational resilience regulations. This collaborative effort is facilitated by our collaboration with CATIA Magic.

At DASSAULT SYSTEMES, we look forward to continuing to support the bank's use of CATIA Magic to meet regulatory obligations. The use of CATIA Magic is a proof statement that the development of a robust, consistent and secure data referential is the underpinning of improved risk management, data governance and internal controls.





CONCLUSION: A ROADMAP TO OPERATIONAL EXCELLENCE

In conclusion, the journey towards standardizing operational processes through data governance and data model standardization is essential for modern banking institutions. By leveraging solutions like CATIA Magic, financial services institutions can navigate regulatory complexities, improve

collaboration across their entire value network, while driving efficiencies across their operational landscape. As the banking industry continues to evolve, embracing standardized approaches to data modeling will be crucial to ensuring resilience, compliance, and sustainable growth.

[Discover more](#) about CATIA Magic solutions in action!



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