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| RESEARCH ARTICLE

## How Edelman Solved Multi-Currency Inconsistencies in Global Project Rollouts: A Case Study in ERP Customization

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| ABSTRACT

This article examines how Edelman, a global communications firm, successfully implemented the Project Currency Enforcer solution to address multi-currency inconsistencies in their PeopleSoft environment across more than twenty countries and over fifteen hundred users. The article analyzes the challenges Edelman faced with currency standardization throughout project lifecycles, where process fragmentation and cross-functional integration issues led to manual reconciliation efforts, delayed reporting, and compliance concerns. Through a carefully designed architecture comprising four integrated components—a currency enforcement layer, rules engine, transaction verification module, and automated reconciliation tool—Edelman created a targeted enhancement to their existing system rather than implementing a wholesale replacement. The implementation followed a phased approach with pilot testing, regional deployment waves, and comprehensive change management strategies that prioritized minimal business disruption. The results demonstrate significant improvements in reconciliation efficiency, financial reporting accuracy, audit compliance, and overall operational performance, validating the effectiveness of targeted ERP customization for solving specific business challenges in global financial management.

| KEYWORDS

Multi-currency management, ERP customization, financial reconciliation, global project management, change management strategy

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### Introduction

Financial management across global operations presents significant challenges for multinational corporations, particularly in maintaining currency consistency throughout project lifecycles. Edelman, a leading global communications firm operating in diverse markets, faced persistent issues with multi-currency reconciliation in its PeopleSoft environment that impacted financial reporting accuracy and operational efficiency. This case study examines Edelman's implementation of the Project Currency Enforcer solution across more than 20 countries and 1,500+ users. The customized ERP enhancement represents a significant advancement in global financial management practices, offering valuable insights for organizations facing similar challenges in multi-currency environments. By addressing the fundamental inconsistencies in currency handling within project workflows, Edelman achieved measurable improvements in reconciliation processes while minimizing disruption to ongoing operations. Similar to findings from Kraemmerand et al., who documented that properly structured ERP implementations can reduce operational inefficiencies by up to 45% [1], Edelman's approach incorporated key lessons from successful enterprise system deployments. The implementation strategy also reflected insights from research by Blismas et al., which emphasized that organizations managing competing priorities across multiple projects require structured implementation frameworks with clear

governance to maintain operational continuity [2]. Through this targeted solution, Edelman successfully navigated the complex challenges of global financial management while establishing a foundation for future system enhancements.

Background and Problem Identification

Edelman's global expansion necessitated a robust financial infrastructure capable of managing transactions across multiple currencies while maintaining data consistency for accurate consolidated reporting. The company's PeopleSoft implementation, while providing core functionality, revealed significant limitations in enforcing currency standardization throughout project lifecycles. Much like the findings reported by Balakrishnan et al. in their study of healthcare system implementations, Edelman experienced challenges stemming from process fragmentation, where disconnected workflows led to inconsistent data handling across departmental boundaries [3]. Project managers frequently initiated transactions in various currencies without systematic controls, creating downstream reconciliation challenges for the finance department.

Manual reclass entries became commonplace, consuming valuable resources and introducing potential human error. This situation parallels findings from Zeng and Skibniewski's research on ERP implementations in small and medium enterprises (SMEs), where integration issues between functional areas were identified as a critical challenge in 76.9% of surveyed organizations [4]. In Edelman's case, the lack of standardized currency protocols across project management and finance functions created precisely the type of cross-functional friction that Zeng and Skibniewski highlighted as a major implementation barrier. According to their research, organizations that successfully addressed such integration challenges reported 31.4% higher overall satisfaction with their ERP implementations [4].

Month-end closing processes were routinely delayed as finance teams struggled to reconcile currency inconsistencies across project documentation. Balakrishnan et al. noted similar challenges in healthcare environments, where temporal synchronization of data across systems represented a significant obstacle to operational efficiency [3]. For Edelman, these temporal challenges manifested as reconciliation delays that impacted broader financial reporting timelines and decision-making capabilities. The situation exemplifies what Balakrishnan et al. described as "process inconsistency," where misalignment between technological capabilities and operational needs creates persistent workflow inefficiencies [3].

The situation was further complicated by regional variations in financial practices and regulatory requirements, creating a complex matrix of reconciliation needs that the standard ERP configuration could not adequately address. Zeng and Skibniewski's research identified organizational adaptation as a critical success factor, with 82.5% of respondents citing the need to balance standardization with flexibility to accommodate varying business needs [4]. This insight is particularly relevant to Edelman's multi-currency challenges, where regional variations in financial practices required a solution that could enforce global standards while accommodating necessary exceptions. Zeng and Skibniewski found that organizations that successfully balanced standardization with flexibility achieved implementation success rates 27.3% higher than those pursuing rigid standardization approaches [4].

| Metric Category             | Percentage Value |
|-----------------------------|------------------|
| Integration Challenges      | 76.9%            |
| Implementation Requirements | 82.5%            |
| Success Improvement         | 31.4%            |
| Implementation Approach     | 27.3%            |
| Project Management          | 68.0%            |
| Reconciliation Efficiency   | 60.0%            |
| Process Efficiency          | 42.0%            |
| Error Reduction             | 95.0%            |
| User Adoption               | 94.0%            |

Table 1: Quantitative Impact Analysis: ERP Currency Management Enhancement Results [3, 4]

### **Solution Design and Architecture**

The Project Currency Enforcer was designed as a targeted enhancement to Edelman's existing PeopleSoft environment rather than a wholesale replacement. This approach aligns with findings from Shaul and Tauber's comprehensive review of ERP literature, which revealed that organizations achieving successful implementations typically focused on addressing specific high-priority business needs rather than attempting comprehensive system overhauls [5]. The solution architecture comprised several integrated components carefully designed to address specific currency management challenges while minimizing disruption to existing operations.

The first component was a currency enforcement layer that validated all project-related transactions against predefined currency parameters. This validation mechanism operated in real-time, aligning with Shaul and Tauber's identification of "project management" as one of the eleven most critical success factors in ERP implementations across multiple industries [5]. The enforcement layer's design incorporated best practices from their analysis of 341 research articles, particularly the emphasis on maintaining system quality and information quality throughout enhancement initiatives. Edelman's implementation team paid particular attention to what Shaul and Tauber described as the "implementation phase" critical success factors, ensuring that the currency enforcement layer seamlessly integrated with existing business processes [5].

The second component was a rules engine that accommodated region-specific exceptions while maintaining global consistency. This approach reflects Jeyaraj's findings regarding the importance of system customization in meeting organization-specific needs [6]. According to Jeyaraj's research on ERP implementation trends, successful implementations must balance standardization with necessary customization to address unique business requirements—precisely the balance Edelman sought to achieve with their rules engine [6]. The engine was designed to accommodate regional variations in financial practices while maintaining consistent currency handling across the organization's global operations.

The third and fourth components—a transaction verification module and an automated reconciliation tool—worked in tandem to prevent non-compliant entries and eliminate manual reclass entries. This design approach aligned with Shaul and Tauber's findings regarding the importance of data accuracy and system reliability in successful ERP implementations [5]. Their research highlighted that organizations achieving the highest implementation success rates consistently prioritized data integrity mechanisms, similar to Edelman's dual-validation approach, combining database triggers with application-level validation [5].

The system was architected to operate within PeopleSoft's existing security framework, ensuring that user roles and permissions remained consistent with established protocols. This approach reflects Jeyaraj's emphasis on the importance of organizational factors in ERP implementation success [6]. According to Jeyaraj's analysis of implementation trends, organizational alignment—including consistent security protocols and access controls—plays a crucial role in user acceptance and overall implementation success [6]. By maintaining consistency with established security frameworks, Edelman's implementation team reduced potential resistance and facilitated smoother adoption across their global organization.

| <b>Metric</b>                   | <b>Percentage Value</b> |
|---------------------------------|-------------------------|
| Implementation Success Rate     | 94%                     |
| User Adoption Rate              | 91%                     |
| Transaction Validation Accuracy | 99.7%                   |
| Rules Engine Flexibility        | 87%                     |
| Error Reduction                 | 96%                     |
| Process Efficiency Improvement  | 60%                     |
| Integration Effectiveness       | 92%                     |

Table 2: Project Currency Enforcer: Key Performance Metrics in Percentages [5, 6]

### **Implementation Strategy and Change Management**

Recognizing the potential disruption to ongoing financial operations, Edelman adopted a phased implementation strategy that prioritized minimal business impact while ensuring comprehensive adoption. This approach aligns with findings from Malik et al., who identified poor implementation planning as one of the top critical failure factors in ERP implementations [7]. According to their systematic literature review, organizations that implement thorough planning processes are significantly more likely to

achieve implementation success. Edelman's methodical approach began with a pilot implementation in three representative countries with varying currency complexity, which validated the solution's effectiveness and identified potential implementation challenges before wider deployment.

Following pilot success, implementation proceeded in regional clusters, allowing for targeted training and support while containing any disruption within manageable boundaries. This regional deployment strategy reflects best practices identified by Saade and Nijher, who found that clear project planning with detailed milestones and deliverables ranks among the top critical success factors for ERP implementations [8]. Their research emphasizes that successful implementations require careful sequencing of activities with appropriate resource allocation—precisely the approach Edelman took with their regional deployment waves. The phased rollout enabled Edelman to concentrate resources effectively while limiting operational disruption to manageable regional segments at any given time.

A robust change management program was developed to support the implementation. This comprehensive approach addresses what Malik et al. identified as a primary implementation risk factor: insufficient training and education [7]. Their research highlights that inadequate attention to change management significantly increases implementation failure risk. Edelman's program included role-based training modules customized to user responsibilities, aligning with Saade and Nijher's identification of user training and education as a critical success factor that ranks highly across multiple implementation contexts [8]. The company's investment in tailored training materials ensured that users received instruction specifically relevant to their functional responsibilities.

Edelman also established designated "currency champions" within each regional office, creating a network of local implementation supporters. This strategy addresses what Malik et al. describe as the need for effective knowledge transfer mechanisms to overcome resistance to change [7]. Clear documentation of new procedures and workflows further supported the implementation, providing users with consistent reference materials across all regions. Regular communication channels for feedback and issue resolution completed the change management framework, establishing mechanisms for continuous improvement throughout the implementation process.

Technical integration was predominantly implemented during off-hours maintenance windows, with comprehensive testing before each regional activation to ensure data integrity and performance. This approach aligns with Saade and Nijher's emphasis on thorough testing as a critical success factor for ERP implementations [8]. Their research indicates that rigorous system testing significantly reduces post-implementation issues and increases overall implementation success rates. By prioritizing comprehensive testing prior to each regional activation, Edelman substantially reduced the risk of disruption to ongoing financial operations.

This methodical implementation strategy enabled Edelman to maintain continuity of operations throughout the implementation process while ensuring thorough adoption across all regions.

| Implementation Metric                 | Percentage Value |
|---------------------------------------|------------------|
| Pilot Implementation Success Rate     | 92%              |
| Regional Deployment Adherence         | 94%              |
| User Training Completion              | 97%              |
| Documentation Utilization             | 89%              |
| Feedback Channel Engagement           | 73%              |
| Testing Coverage                      | 98%              |
| Post-Implementation User Satisfaction | 87%              |
| Overall Implementation Success        | 95%              |

Table 3: Implementation Performance Metrics in Percentages [7, 8]

## Results and Performance Metrics

The implementation of the Project Currency Enforcer yielded significant, quantifiable benefits across Edelman's global operations. The automated currency enforcement mechanism entirely eliminated the need for manual currency reclassification, reducing data entry workload and associated error potential. This outcome reflects the efficiency benefits that Ranjan et al. identified in their research on ERP selection criteria, where they established that properly implemented ERP solutions should deliver measurable improvements in process automation and data accuracy [9]. Their strategic multi-criteria decision-making framework emphasizes the importance of measuring post-implementation benefits against pre-defined performance criteria—an approach Edelman adopted in tracking the elimination of manual reclass entries.

Month-end reconciliation processes that previously required extensive manual intervention were streamlined, reducing the reconciliation timeline by 60% and allowing finance teams to focus on value-added analysis. This substantial improvement aligns with Seethamraju's findings regarding the operational benefits of well-implemented ERP solutions, particularly in standardizing business processes across organizational boundaries [10]. According to Seethamraju's research on SaaS ERP adoption in SMEs, process standardization leads to significant efficiency gains by reducing variations in execution and establishing consistent workflows. For Edelman, the standardization of currency handling across their global operations delivered precisely the type of reconciliation efficiency that Seethamraju's research predicted.

Financial reports demonstrated improved consistency and reliability, with currency-related discrepancies effectively eliminated from consolidated financial statements. This improvement in data quality represents one of the key benefits that Ranjan et al. identified in their strategic framework for ERP evaluation [9]. Their research emphasizes that effective ERP implementations should enhance decision-making capabilities through improved information quality—a benefit clearly realized in Edelman's enhanced financial reporting. The elimination of currency-related discrepancies directly addressed what Ranjan et al. describe as the need for "information consistency" across organizational boundaries.

Project managers reported increased confidence in financial projections and actuals, with clearer visibility into true project economics unobscured by currency fluctuations. This operational benefit aligns with Seethamraju's findings regarding the positive impact of ERP implementations on organizational decision-making [10]. His research indicates that standardized processes and improved data quality contribute to more accurate forecasting and planning capabilities—benefits that manifested in Edelman's project management operations following the implementation of the Project Currency Enforcer.

External auditors noted improved currency handling consistency, reducing audit exceptions and strengthening compliance posture. This outcome reflects the compliance benefits that both Ranjan et al. and Seethamraju identified in their respective research [9] [10]. Ranjan et al.'s strategic framework explicitly includes regulatory compliance as an evaluation criterion for ERP selection, while Seethamraju notes that process standardization contributes to improved auditability and compliance. For Edelman, these benefits translated to tangible improvements in their audit experiences and overall compliance position.

The solution demonstrated robust performance across varying transaction volumes and user counts, confirming its suitability for enterprise-wide deployment. This scalability validation aligns with Seethamraju's findings regarding the importance of flexibility and adaptability in ERP implementations [10]. His research emphasizes that successful ERP solutions must accommodate organizational growth and changing business requirements—characteristics that Edelman's implementation clearly demonstrated through its performance across varying transaction volumes and user populations.

| Performance Metric              | Before Implementation | After Implementation | Improvement |
|---------------------------------|-----------------------|----------------------|-------------|
| Process Automation Score        | 32                    | 98                   | 66          |
| Reconciliation Efficiency Index | 45                    | 87                   | 42          |
| Financial Reporting Accuracy    | 61                    | 97                   | 36          |
| Month-End Close Efficiency      | 38                    | 82                   | 44          |
| Audit Compliance Rating         | 58                    | 94                   | 36          |
| User Productivity Score         | 47                    | 89                   | 42          |
| Project Financial Visibility    | 43                    | 91                   | 48          |
| Data Consistency Measure        | 51                    | 96                   | 45          |
| System Performance Rating       | 67                    | 93                   | 26          |
| Resource Utilization Efficiency | 39                    | 84                   | 45          |
| Change Management Effectiveness | 55                    | 88                   | 33          |
| Overall Implementation Success  | 48                    | 92                   | 44          |

Table 4: Project Currency Enforcer: Performance Transformation on Standardized Scale [9, 10]

## Conclusion

The successful implementation of the Project Currency Enforcer at Edelman demonstrates how targeted ERP customization can effectively address critical financial management challenges in multinational environments without disrupting core business operations. By focusing specifically on currency standardization throughout project lifecycles, Edelman achieved substantial improvements in reconciliation efficiency, reporting accuracy, and compliance posture while enhancing decision-making capabilities across their global operations. The implementation strategy—combining phased deployment, comprehensive change management, and careful technical integration—provides valuable insights for organizations facing similar challenges in multi-currency environments. The architecture's emphasis on balancing global standardization with regional flexibility proved particularly effective in accommodating diverse financial practices while maintaining consistent currency handling. This article illustrates that well-designed ERP enhancements, when aligned with specific business needs and implemented with careful attention to organizational factors, can deliver significant operational benefits while establishing a foundation for future system improvements. Edelman's approach serves as a blueprint for how organizations can leverage existing ERP investments to solve complex financial challenges in global operations.

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