

# Legacy Data Hosting Case Study

## Delivering Data for Decades to Come

An international manufacturer of over-sized pumps for deep ocean oil drilling platforms migrated from an IBM System i (AS/400) ERP System to SAP on another platform. Their pumps are top of the line, typically costing millions of dollars. These pumps have life expectancies beyond 20 years, continuously pumping crude oil from the deep ocean floor. Knowledge of past customer orders, component details, and manufacturing data is critical to meeting the needs of their existing customers for continuous maintenance & operation of their pumps. When one of their pumps needs maintenance or repair, downtime is counted in thousands of dollars per minute. There is no room to guess what part was used, or the revision level used to produce that specific pump.



When this manufacturer migrated to SAP, it was not desired to bring their historical ERP data into SAP. They therefore needed a solution to store and host their legacy (historical) data from their past ERP System for the long term. Datanational's expertise in IBM Midrange Systems and its participation in IBM's Managed Service Provider Program proved to be the right combination of hardware and service to deliver a not-to-exceed monthly service to effectively host their mission critical legacy data.

A simple long-term solution was needed that would not increase in cost over time. Even a small annual increase would compound over time and would eventually become significant. Some engineering estimates determined the historical data could be needed as far out as 40 years (dependent on the useful life of the pump). And while the data is no longer a part of the ongoing ERP System, the legacy data is crucial for this client's customer satisfaction and success.

Datanational's Legacy Data Hosting solution is delivered via state-of-the-art IBM hardware technology that uses system i (AS/400) partitions to store this legacy data. It is designed with a move forward architecture that will provide migration to new technology in the future without disruption, and at a predictable constant cost. This combination of secured cloud delivery from Datanational and partitioned hardware & operating systems from IBM, delivers a consolidated and centralized platform that is cheaper to operate and manage than most medium to small organizations can provide on their own. This new technology architecture requires a large capital outlay and significant cross platform skills that are just not practical for small to medium business to acquire. This is why secured cloud based partitioned architecture makes so much sense. It is simply a classic centralized shared server architecture with the cost spread across many different companies to deliver an affordable solution.

A state of the art remote-to-disk off site backup strategy provides archival insurance that the legacy data will be available in the case of a US regional disaster. Data protection of this kind, with redundancy, guarantees the source data will be secure over the many years ahead and provides a B-plan solution in the case of any future default.

Datanational's Legacy Data Hosting is a Win/Win solution, delivered on the backbone of technology provided by IBM. Datanational (using IBM technology) delivered simplicity out of the complex, and leveraged new hardware innovations to provide a low fixed cost solution, replacing an old architecture with costs spinning out of control. Our Client can now focus on their new ERP system support and essentially forget about the old system, as Datanational's Managed Services deliver constant and reliable Legacy Data to their users. **Problem Solved!**



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