UNIVERSITY OF MARYLAND

Establishing a Solid Foundation for a New ERP System

The University of Maryland
https://www.umd.edu/

Industry:
Higher Education

Enrolled Students:
Over 41,000

Employees:
Over 14,000

OVERVIEW

The University of Maryland (UMD) is the state's flagship university and one of the nation's preeminent public research universities. A global leader in research, entrepreneurship, and innovation, the university is home to more than 41,000 students, 14,000 faculty and staff, and 388,000 alumni, all dedicated to the pursuit of Fearless Ideas. Located just outside Washington, D.C., UMD discovers and shares new knowledge every day through its renowned research enterprise and programs in academics, the arts, and athletics.

CHALLENGES AND PROJECT GOALS

UMD planned to implement a new Enterprise Resource Planning (ERP) system, but recognized a prerequisite need for data cleansing across multiple systems. UMD has many systems that have disparate or overlapping information on a given topic (e.g., students, employees). For example, a person's name might have different versions across three mission critical systems. Likewise, a person's job title might only be in one system, but their teaching record might only be in another system.

To successfully adopt a new ERP system, UMD needed to be able to:

- Point to all the relevant pieces of information about a topic (such as person), regardless of in which system that data resided.
- Exclude or correct erroneous information.
- Point to the better of two records when there is duplication.

Therefore, UMD embarked on an initiative to:

- Identify the records that would be required to adopt an ERP system in the near future.
- Establish these records as the "golden record" or "single version of truth" for UMD.
- Start now and not wait for the ERP solution to be selected. UMD recognized that it could predict with accuracy the core data domains and pivot to other priority data when necessary.

To determine these relevant, accurate records, UMD selected LumenData due to its expertise in Master Data Management (MDM) and Data Governance.

THE LUMENDATA SOLUTION

LumenData partnered with UMD to develop and implement the data quality strategy, and then ensure a smooth rollout. The primary focus was designing, building, and installing the MDM system that would serve as UMD's "golden record" for person data. But LumenData also managed and delivered follow on testing, training, and the ultimate cleansing, merging, and loading of over 500,000 records into a single Informatica instance.

Additional solution components included:

- Initial profiling of source data to determine the overall data quality.
- Executing quality assurance load tests and user acceptance testing scripts, and then modifying design and code based on core team's feedback and suggested improvements from Informatica.
- Developing the foundational system and process to ensure high quality non-person data for future projects.
- Providing training, discovery sessions, and knowledge transfer to Data Stewards and related UMD personnel.

CLIENT RESULTS

UMD gained a world class MDM system to serve as a single version of the truth for the university's needs, including the transformational ERP modernization project. LumenData provided professional project management and transparency, including detailed status and progress reviews, solution reviews, workshops and discovery sessions, solution demonstrations, and prompt and decisive resolution of roadblocks to keep the project on track, on time, and on budget.

UMD now has a modern, highly capable MDM solution, built on a foundation of exceptional data quality, delivered through LumenData expertise and Informatica innovation. The university was then well positioned to embark on the ERP modernization project, confident that the system would be built on a rock-solid data foundation.

To learn more, contact LumenData at sales@lumendata.com or (855) MYLUMEN / 695-8636.