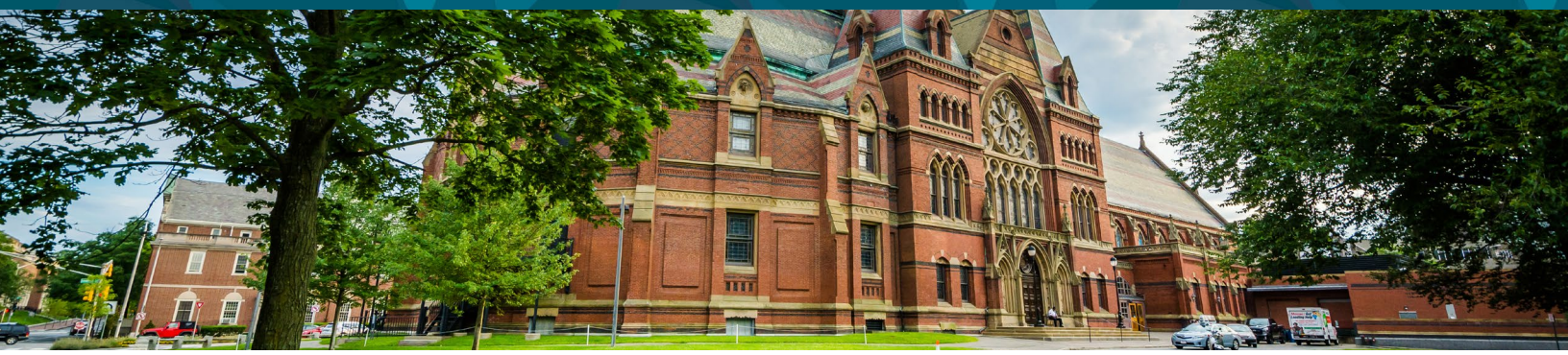
HEXAGON PPM

CASE STUDY



CAPITAL PLANNING AT HARVARD UNIVERSITY

PROFILE

- Harvard University is the oldest institution of higher education in the United States, established in 1636 by vote of the Great and General Court of the Massachusetts Bay Colony.
- 2,400 faculty members and more than 10,400 academic appointments in affiliated teaching hospitals; 6,700 undergraduate students and another 15,250 graduate and professional students.
- More than 25 million gross square feet in over 650 buildings

OBJECTIVES

- A single repository for capital plan information for reliable data.
- Less time and fewer resources required to administer, submit, and consolidate capital plans.
- Eliminate static spreadsheets and manual reporting processes.
- Integration of systems to provide a single point of entry for all related capital project data.
- Analytical tools to support the financial evaluation of the capital plans.
- Integration with multi-year financial plans, interim reporting, and the annual operating budget.
- Robust set of reporting and analytical tools.

Harvard University is the oldest institution of higher education in the United States and is ranked annually as one of the top national universities. Its main campus is located in Cambridge and neighboring Allston, Massachusetts; it also has campuses in Washington, D.C., as well as Florence and Fiesole, Italy.

Harvard owns more than 25 million gross square feet in over 650 buildings. These buildings are the responsibility of Harvard's 11 principal academic units – ten faculties and the Radcliffe Institute for Advanced Study – and many administrative units. In 2011, the Executive Vice President established a process whereby the University consolidates capital projects of schools and units into one integrated plan that aligns with academic, strategic, and financial priorities. The University invested $467 million in capital projects and acquisitions during fiscal year 2015 and $597 million in 2016.

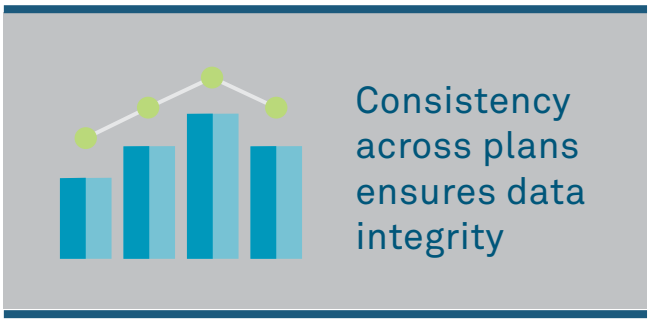
With the new integrated planning process, Harvard anticipated the need to move away from manual spreadsheets and develop an enterprise automated solution. The solution not only had to be able to capture and consolidate five-year capital project information of almost 1,000 projects, but it also had to be available for stakeholders to update and to report plan and project data on a daily basis. Recognizing the decentralized management of its physical plant, Harvard met with its schools/units to develop requirements that met users' needs. After its research, Harvard selected the EcoSys™ software platform because of its ease of use and configurability to meet all stakeholder needs.

Based on Harvard's experience with EcoSys, key business stakeholders expanded its use to cost controls and are now looking at expanding the use of EcoSys to include contract management.

SOLUTIONS

- Implementation of EcoSys for developing proposed capital projects, enhancing data integrity, and submitting capital plans.
- Both monthly and periodic progress monitoring for analysis of planned and active projects for stakeholders.

- Bi-directional integration between EcoSys and the University's project approval system, actual expenditures, and data warehouse.
- Integration of project approval process to connect project requests with approved capital plan cost estimates and funding data.
- Standardization of required project information, financial data, and submittal format.
- Role-based access via the web for managers, internal stakeholders, and outside consultants to access real-time project data, performance, current status, and forecast.



BENEFITS

- Eliminated the current labor intensive processes for staff requiring multiple steps and repeated data entry.
- Introduced consistency across plans to ensure data integrity.
- Enables integrated management of both actuals and forecasted projections across the capital plan through a robust reporting suite, built on a single data repository, with consolidated input from other systems including project approvals, multi-year financial plans, and the general ledger.
- Strengthens governance, risk, and compliance processes for capital planning and project approvals by: fostering a culture that supports informed decision making; using intelligent IT and data management structures; providing an environment that can quickly adapt to changing requirements; and utilizing an integrated framework to support School and University academic and strategic objectives.
- Supports a continuous capital planning process throughout the year, similar to the operating budget and interim reporting process.
- Automates data quality checks and validations to reduce quality control efforts when plans are submitted to minimize last minute requests for information and adjustments.
- Provides configuration to support Harvard's specific business rules and processes which gives the University the flexibility of implementing a system that doesn't dictate or restrict the unique business processes of schools and units.
- Allows immediate visibility into project performance facilitating better plan and project management and control.

ABOUT ECOSYS

EcoSys is the global standard for Enterprise Projects Performance software. Our easy-to-use web-based platform helps organizations worldwide maximize their return on projects investment through optimizing project portfolios, controlling project costs, and enabling proactive management of change.

For more information visit ecosys.net.

About Hexagon PPM

Hexagon PPM is the world's leading provider of asset life cycle solutions for design, construction, and operation of industrial facilities. By transforming unstructured information into a smart digital asset, our clients are empowered to visualize, build, and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire life cycle.

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