

# GLiNTECH enable interactive website for the State Library of New South Wales

## BUSINESS BENEFITS

- Enhanced user-experience through improved navigation using a new dynamic interface
- Improved efficiency with the integration of a single management application
- Improved workflow process
- Improved efficiency through the implementation of a new federated search application
- Increased capacity for data storage through the introduction of SAN database
- Improved cataloguing structure to match international standards

## OVERVIEW

The State Library of New South Wales' vision was to digitise the unique and significant items in its collection and to showcase them through a range of online services. To achieve an eServices delivery function via the library's website, the following was required: the implementation of a sustainable and robust solution, supporting infrastructure and a solid understanding of the library's business processes.

The project involved the following phases – the creation of a new database (SAN), the implementation of a new application to provide a workflow for physical assets to be digitised, an online gallery for digital objects to be linked to metadata, a new public library web portal and a federated search to be managed by a new Content Management System (CMS).

GLiNTECH was brought on board to provide technical consulting expertise and to manage and support the development lifecycle through the execution of structured system integration testing. GLiNTECH also analysed and developed a solution to migrate the metadata and digital objects into the new application.

## CHALLENGE

GLiNTECH was engaged to consult, manage and approve the integration of the online gallery and digitisation application, which was originally built and managed by a third party vendor. The challenge to migrate the metadata and digital assets from the legacy application was through the transformation of a non-normalised database into a RAD2 format and then to migrate the data into an undefined non-normalised database designed reactively to suit the front-end fields.

## SOLUTION

GLiNTECH analysed, designed, managed and delivered a structured testing framework to ensure that the application would successfully pass integration, system and performance testing cycles before being released into production.

This was achieved through the use of a number of purchased and open sourced testing tools. The test documentation was created following the IEEE 829 standard for software test documentation, ensuring the testing cycle was clearly outlined.

## RESULTS AND BENEFITS

The State Library of New South Wales is now able to replace their legacy system with a GUI interface online gallery which successfully integrates with the application created to digitise the physical assets. It also enables these assets to be viewed by the public with metadata in a latest internationally recognised format.

“ Communication by the GLiNTECH team with the State Library was seamless throughout the project. They always delivered on time despite a tight production schedule, while meeting or exceeding all our expectations - a superb achievement. ”

David Drinkwater, Project Manager, State Library of NSW