



a.i. solutions Prevents Corporate Memory Loss for NASA's ELV Program

Managing the people, data and activities associated with the Engineering Review Process (ERP) presents challenges to engineers and mission planners. The ERP generates paperwork, involves the coordination of Engineering Review Board (ERB) members, and requires complete and careful documentation of engineering issues, in progress and resolved.

Essential to any process is the ability of a user community to capture, store and retrieve information. The type of information generated throughout the ERP builds the database of information that enables metrics to be established and lessons learned to be tracked. NASA's engineering community needed enabling tools to make the ERP easier to administer so that mission planners could focus on the unique technical challenges of each mission. **a.i. solutions** was up to the challenge and created the Engineering Review Board Information System (ERBIS).



ERBIS was created to document, manage and facilitate the communication that is critical to the ERP. ERBIS allows the initiating engineer to log in through the ERBIS portal and open an Engineering Review Sheet (ERS). ERBIS automatically assigns an ERS number and provides an automated notification process for the appropriate reviewers. The automatic tracking system allows engineers to view the progress on action items, open issues, and final resolution. The built-in, mandatory approval process enables the ERB members to better manage the resolution process.

The Results

ERBIS provides an efficient way for NASA to enforce the ERP. This web-based system is available to all approved users from any location. The ERBIS knowledge database is searchable by launch vehicle, mission, part number, system or vendor. It enables the creation of metrics that facilitates trending and tracking of issues used in risk evaluation. ERBIS allows Launch Services knowledge management, control of processes, and tracking of activities that prevent "memory loss" for the ELV Program. ERBIS helps reduce risk through the use of a repeatable process, and lets mission planners focus on the mission and not the flow of paper.

Enabling tools. Increased efficiency. Better information leading to better decisions.

a.i. solutions is proud to be the provider of ERBIS.

The Customer
NASA's Launch Services Program

The Challenge
Mission planners, designers, managers and engineers needed a way to store, retrieve, process and record the massive amount of information generated by the Engineering Review Process (ERP).

The Solution
Development of the Engineering Review Board Information System (ERBIS)

The Results
Customers can quickly and easily submit and retrieve data and information relevant to the ERP. ERBIS provides the ability to make enforcement of the ERP easier and more comprehensive, allowing the focus to be placed on the mission and not the process.