

RiM

Resource Infrastructure Management (RiM) optimizes resource utilization, enhances infrastructure returns, and simplifies organizational capacity management through advanced technology-driven solutions and services.

About Us

We deliver innovative software and automation solutions tailored to evolving business needs. Our smart technologies boost efficiency, improve connectivity and keep industries future-ready.

Data Repository

The Data Repository Application is a centralized platform to securely manage and track engineering drawings and design data across projects and departments. It enables users to upload, view, and download files while maintaining version control, approval workflows, and complete revision history, ensuring data accuracy, traceability, and seamless collaboration throughout the design lifecycle.

Centralized Data Storage: Securely store all drawings, CAD files and design documents in one repository.

Approval Management: Structured workflows ensure only verified files are released.

Revision Control: Track file revisions and maintain version history for accuracy.

Key Features and Activities

Access Control: Role-based permissions maintain data confidentiality and prevent unauthorized changes.

File Viewing & Downloading: Authorized users can access and download current or past versions.

Audit Trail: Complete records of uploads, revisions, and approvals for compliance and accountability.

Case Studies

Overview:

- Centralized platform to manage and control all engineering drawings, CAD files, and project documents.
- Eliminates scattered data, poor version control, delayed approvals, and lack of traceability.
- Creates a unified, structured, and auditable document management system.

Key Features:

1**Centralized Storage:**

Secure repository for all design files, CAD models, and documents.

**2****Access Control & Permissions:**

Role-based security to protect sensitive data.

**3****Revision & Version Control:**

Tracks updates, maintains file history, and prevents duplication.

**4****Audit Trail:**

Logs all actions (upload, edits, approvals, downloads) for compliance.

**5****Approval Workflow:**

Multi-level automated approvals for verified document release.

**6****Metadata & Virtual Document Record:**

Tracks file details, versioning, and workflows.

**7****File Viewing & Download:**

Controlled access for viewing and downloading approved files.

**8****Reports & Dashboards:**

Real-time insights on updates, approvals, and user activity.



Implementation Approach:

- **Requirement Analysis:** Defined workflows and data structures with design, quality, and IT teams.
- **System Design:** Modular architecture supporting categorization and multi-level access.
- **Integration:** Connected with design tools and ERP for seamless data sync.
- **Testing & Validation:** Verified version tracking, file integrity, and workflows.
- **Deployment & Training:** Phased implementation with user onboarding and documentation.

Business Impact:

1

90% improvement in data accessibility and traceability.

2

Elimination of duplicate and outdated files.

3

Faster design approvals, reducing project turnaround time.

4

Enhanced collaboration between teams and vendors.

5

Stronger data security, compliance and auditability.

Conclusion:

Transformed document management into a centralized, secure, and version-controlled environment. Ensured teams work only with latest approved data. Improved efficiency, reliability, and design accuracy across projects.

Benefits

- Enhances collaboration among design and engineering teams.
- Eliminates confusion caused by multiple file versions.
- Ensures faster approval and release of design documents.
- Improves data security and traceability throughout the design process.

Scan for Location

Sapthagiri, #12, 60 Feet Road
NHBC Layout, Prashanth Nagar,
Bangalore - 560 079
Land Mark: Opp Karnataka Bank,
Prashanth Nagar.

