

The challenge

Quick access to reliable project information, coupled with the ability to act on it, is paramount to engineering excellence. Yet when critical information is buried in personal inboxes, meeting minutes, CAD drawings, field survey worksheets, detailed spreadsheets, bulky reports and countless other project information silos, administrative activity diverts attention from the business at hand: engineering.

The solution

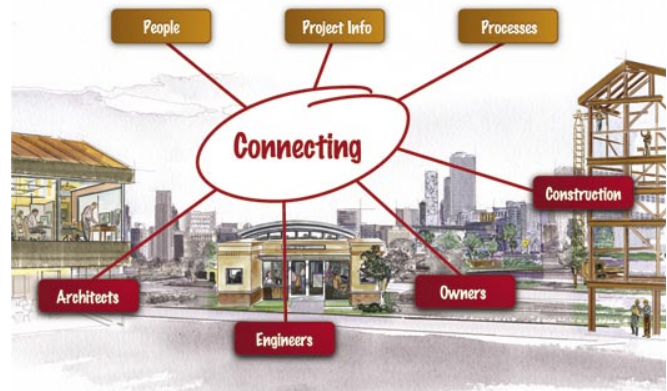
Newforma created the architecture, engineering and construction industry's first comprehensive project information management (PIM) solution to put timely information at the fingertips of every employee. Additionally, much of this information can be accessed and acted on remotely by team members in the field, whether employees, clients or partner firms, maximizing the productivity of increasingly mobile and dispersed project teams.

Why project information management matters

Are project issues that are vital to the firm hidden in the inboxes of individual employees? Do you ever waste time looking for information you just know is somewhere on your network? Do your project records reliably track who got issued what, when and why?

These questions capture just a fraction of the project information management challenges facing civil/infrastructure engineering and surveying firms. There are more:

- How do you standardize your work processes across all of your projects in the face of a mishmash of technology being used by the different design team members and contractors with whom you work?
- How often could a single clarifying search across a range of project information silos – email, meeting minutes, RFIs, drawings, specs, project files and more – help you avoid misunderstandings that may escalate to disputes?



Rewards accruing to firms that have implemented the Newforma PIM solution include improved responsiveness to clients, greater job satisfaction for busy employees, reduced exposure to claims, and increased portions of the fee that go directly to the bottom line.

- In the event of a dispute or a request for discovery, would you be able to put your hands on the needed information at a moment's notice?
- How do you track, issue and locate revisions of record documents, throughout design and construction?
- How can you be sure that all recent changes to the drawings have been properly called out? Or ensure that all the changes you have made have been adequately documented to capture and communicate the basis for the change?
- With large numbers of submittals and RFIs arriving via email, how can you log and track them without keeping a spreadsheet checklist or assigning them to an administrator?
- Have you adopted electronic review and markup of shop drawings to eliminate the costs, inefficiencies and error-prone methods of pen and paper?

- Do you trip over email attachment size limitations or painful FTP site administration when trying to distribute large sets of information?
- How do you know if other design team members or contractors have downloaded the files you sent them to review?
- Is the adoption of model-based design in your firm challenging you to develop new processes to document and communicate decisions and design changes?
- How do you capture project information and key learnings, and then make them accessible to other people and repeatable across other projects in your firm?
- As the industry adopts more integrated forms of project delivery, how do you expect to manage the transparent sharing of information among a growing number of project team members?
- How do you access a file, drawing revision or shop drawing that is back in the office when you are on the job site?

The Newforma PIM solution

Newforma's quick-to-implement, easy-to-learn enterprise software solves common project information challenges quickly and easily, without customization and without disrupting existing tools or workflows.

- Organize and find all types of project-related information.
- Communicate and share project information more effectively within your organization and with project team members outside your organization.
- Streamline and standardize common project work processes, such as those for transmittals, action items, revision management, design review and shop drawing management in a lightweight, flexible way.
- Gain access to key project information when at the jobsite or otherwise away from the office.
- Instantly search all active or completed projects for specs, details, lessons learned or other references related to specific engineering topics.



Sauk River Bridge photo courtesy BergerABAM

Newforma engineering customers are using the software to manage the full range of project information and processes, from complex planning and permitting issues, to environmental impact statements, to sediment control and storm water management, to detailed design and construction contract management.

- Connect your firm to other members on the project team and provide that team with a framework for the sharing of information and for executing project delivery work processes.
- Support model-based design workflows.

Using the Newforma PIM solution, you deliver more projects on time and within budget, and build your company brand while doing so.



AEC PROJECT INFORMATION MANAGEMENT

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