



Fortis for A-E-C

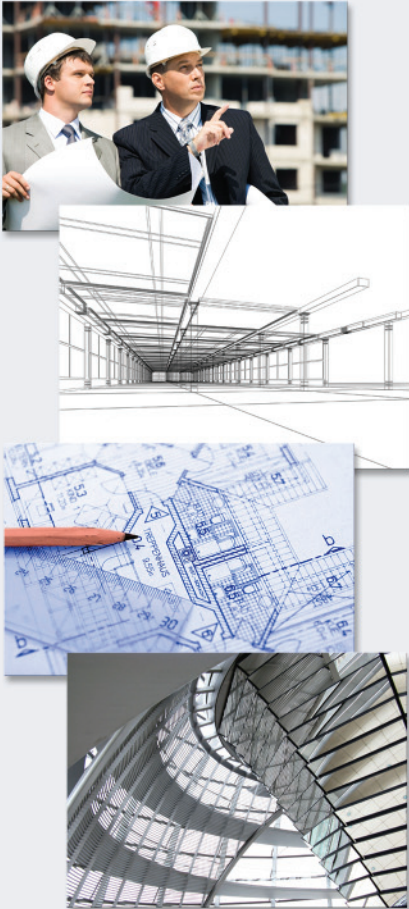
Control projects with speed and efficiency

Architects, engineers, builders and contractors work in a world of paper and documentation. Client projects can be extensive and take place over many months. Documents generally reside in silos such as email folders rather than in a central location. In addition, AEC firms are under pressure to deliver projects on-time and within a client's budget. Complete control over the status of all project documents and the ability to progress those documents through review and transmittal processes are directly linked to the success of a project.

AEC firms are recognizing a need for document management technology to manage the large volume of documents associated with design and construction processes such as preparing bids or awarding contracts to vendors. Most importantly, document management streamlines the process for handling change order requests which frequently occurs after the start of the project reducing the risk of huge costly design mistakes.

Westbrook **Fortis** content and document management software brings documents under auditable control. Once information is captured in the **Fortis** repository, all documents such as CAD drawings, blueprints, project schedules, color graphics, job site permits, construction reports to invoices, correspondence, meeting notes and contracts can be shared with reviewers, project personnel, and clients. With **Fortis**, project managers can instantly retrieve a project file for review, update and distribute a change order to field teams in minutes.

Fortis for the A-E-C industry helps to unify disparate software applications that can't share information such as design software, supply and manufacturing systems, and back office applications designed for AP and payroll. Easily integrate **Fortis** with core applications to service your project or administrative needs such as paying an invoice or processing a purchase order. **Fortis** supports a variety of file formats including



Cotleur and Hearing, FL - This environmental design firm works in the high-pressure environment of land use, wetland protection and open space remediation. With core values based on innovation and quality of designs, Cotleur and Hearing has implemented **Fortis** document management software to keep them at the leading edge of their profession. **Fortis** enables the firm to transmit their work to clients electronically and to archive and retrieve their firm's knowledge base rapidly and securely.

Southwest Homes, TX – The fastest growing “On Your Lot” custom homebuilder has five offices in Texas and one in Springdale, Arkansas. **Fortis** document management

software replaces paper records with an organized system for storing and retrieving documents of all types from plans, bids, and estimates to maps, pictures and CAD drawings.

Thielemann Construction Co., TX - A family-owned business that focuses on custom residential construction and commercial projects implemented **Fortis SE™** document management software to manage the hundreds of invoices from sub-contractors and suppliers. In addition, every document associated with a project, including original estimates, correspondence, contracts, drawings, and surveys, is indexed in **Fortis** and can be accessed easily and quickly.

various CAD applications such as SolidWorks (.sldprt, .sldasm, .slddrw), AutoCAD (DXF/DWG files version 2.5 through 2010; .dxf, .dwg), AutoDesk Inventor Series, CATIA V5, Google Sketchup, NX/Unigraphics, Creo Elements/Pro (formerly Pro/ENGINEER; .prt, .prt., .xpr, .asm, .asm., .xas) and Solid Edge. Some native formats include 3DXML, CALS, STL and XML files.

With **Fortis** you can rapidly assemble documents into an electronic format providing a competitive advantage for AEC firms. The 80% reduction in time spent searching for documents has a direct impact on increasing company growth. In addition, most municipal and commercial clients are moving

towards electronic and digitally signed transmittal formats for bids to be considered. **Fortis** enables AEC organizations to better meet their clients' needs and comply with federal/state requirements for safety and health regulations, equipment use and environmental/ hazards waste removal.

In addition to the proof of compliance, **Fortis** provides auditability and a project archive. The ability to access project files and identify key information such as the vendor/material used on a job site helps to effectively measure project and labor performance. Users can also retrieve documents on demand for compliance or legal department requests.

Fortis for A-E-C

Fortis provides a document management repository that meets your technical, project, and administrative needs

A-E-C Applications

Fortis is in use successfully in virtually every aspect of the A-E-C project lifecycle. Some of the applications of **Fortis** in Architecture, Engineering and Construction include:

- Project development
- Collaboration
- Transmittal packages
- Construction management
- Change-order processes
- Accounts payable
- Project archives
- Regulatory compliance
- FM and maintenance
- Contracts management

Scalable Solutions

Fortis is used by a wide range of A-E-C organizations from designers to construction firms, to fabricators, to facility operators. Examples include:

- NCI Building Systems
- Hamann Construction
- Taylor Wimpey Developments
- Thielemann Construction
- RDA Engineering
- Pacific Development Group

Integrated Document Management

Fortis provides a full range of document management capabilities including:

- Image capture and OCR
- Versioning and archiving
- Records management
- Security and management
- Viewing and annotation
- Disaster recovery and retention

Project Development

Fortis is used by designers and engineers to capture vendor documentation and certification for document testing and to assemble quality packages.

Transmittal and ECO

Fortis captures approved design packages, conveys them to clients, vendors and constructors, and manages change processes.

Construction

Fortis provides an easy-to-use way of accessing, marking up, sharing and updating documentation. Two key advantages of **Fortis** in construction are the ability to search and retrieve documents and the capability to markup and update documents to keep them "as-built."

Project Archives

Fortis provides the structure for consistent naming, organization, indexing and storage of valuable project documents. The audit function establishes who created each document and when it was viewed and modified. **Fortis** provides secure backup and disaster recovery storage.

Aftermarket

Use the power of complete project "as-built" documentation to increase opportunities for facility management, maintenance, and add-on work.



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