



Professional Systems
Associates, Inc.

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CM+PLM Simplified ... and a whole lot more

About CMPRO

CMPRO is a secure, scalable, web-based (zero-client footprint) COTS software solution developed by Professional Systems Associates, Inc. ("PSA") with an architecture that allows rapid development around the core CMPRO engine to meet the needs of each client's unique business process environment (with all development handled by PSA).

CMPRO provides—among other things—drawing (vault, file control, workflow-enabled revision control, change request control), parts-list, indentured parts breakdown (part tree), bill of material (BOM), drawing tree, document (vault, file control, numbering automation, workflow-enabled revision control, change request control), baseline, inventory and as-built (end-item and component part tracking, serialized part tracking, location history, total asset visibility, UID, bar-coding, RFID, requisitions, work orders), as-delivered, alteration, project (including workflow-enabled Action Items), contract tracking, CDRL/SDRL (DD1423) management, configuration status accounting, ad-hoc reporting, and released software management capabilities.

CMPRO uses electronic forms and data repositories (also called vaults) to orchestrate the management of data and processes. The word "form" many times carries with it negative perceptions of complexity, slow response-times, and disorganized data. This perception stems from the use of forms in the paper-based world, and is unfortunately true in many cases—as far as paper-based forms and paper-driven processes are concerned. Like forms, traditional data repositories (filing cabinets, microfilm, and—even to a certain extent—network file servers) have similar problems associated with them.

CMPRO can help your organization overcome the negative aspects of paper-based forms, paper-

driven processes, and traditional data repositories. All electronic forms and data repositories in CMPRO are workflow-enabled to facilitate the involvement of appropriate personnel in associated organizational processes.

The CMPRO solution is constructed using secure, scalable, Internet-ready technologies, including the Oracle Database Server (all platforms; 10g or higher recommended) and Adobe ColdFusion Server (version 8, Enterprise Edition). CMPRO's web-client has a "zero-client footprint", meaning that only a browser is necessary to run all features (some feature enhancements require a local Java Run-time Environment), which reduces support and maintenance costs. (PSA can even host your CMPRO solution for you if you'd like, including PKI-certificate required access-based hosting configurations.)

About PSA

For 20 years, Professional Systems Associates, Inc. (PSA) has been providing powerful, people-oriented software solutions to commercial and government customers.

More important than any of the functionality that PSA software provides to help you manage your organization's data and processes is PSA's partnership approach to helping you achieve success. Software is great, but it doesn't amount to much without good people. *People make it work.*

PSA will work with you from day one to understand your organization's unique approach to what you do, the people you have and the processes you use. We will ensure that your software solution fits your organization and that your people understand how to use it.

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Drawing Management

- Centralized management of drawing, drawing sheet, and part list data.
- Manage electronic drawing files in any format (AutoCAD, CATIA, Pro/E, UniGraphics, etc).
- Revision control using sheet 1 (military) or independent sheet revisions.
- Create and manage stacked changes.
- Out-of-the-box workflow-enabled forms for drawing creation, revision, and stacked change.
- Integrated visual parts list.
- Record system/model application, used-on, and limited effectivity.
- Available part master validation with integrated CMPRO Part Master.
- Revision history.
- Drawing notes.

Document Management

- Centralized management of document meta-data and electronic files.
- Management of electronic files from any source (Microsoft Office, Adobe PDF, Visio, etc).
- Non-electronic document tracking.
- Out-of-the-box workflow-enabled forms for document creation and revision.
- Next-higher document functionality for constructing document "trees."

Product Definition Management

- Centralized management of product definitions managed using CMPRO.
- Define product structures using all applicable drawings, parts, and documents.
- Design new product structures using current drawing, part, document, and software data.
- Create 'bid-BOMs' for proposals associated with new products.

As-Built Tracking

- Use PDM or inventory data to auto-generate the information needed to track end items in the field.
- Find data by part number, serial number, or platform.
- Easily identify end-items, assemblies, and components.
- Track location history.
- Assembly-level data swapping.

Inventory Management

- Inventory Master for serialized and non-serialized items.
- Location/bin-level item tracking.
- Standard inventory control automation (issue, receive, freeze, order, min/max levels, etc).
- QA requirement tracking.
- Automated DD1149 process.
- Real-time transaction history.
- Centralized vendor management.
- RFID-capable.
- UID-ready.

Contract and Project Tracking

- Simplified project tracking using set project-task-subtask-action item structure.
- Workflow-enabled Action Items.
- Link projects to drawing and document change data.

Contract Tracking / CDRL (DD1423) Management

- Contract Items tracked include: Delivery Orders, Modifications (Mods), Packages, CDRLs, SDRLs, and scheduled/actual delivery products.
- Get real-time status on CDRLs (due, overdue, ...).
- View the schedule of deliveries for a contract package.
- Actual DD1423 electronic form that prints in standard deliverable format.

Released Software Management

- Track modules, objects, and object source information for released software.
- Track released software media and installation information.
- Use workflow-enabled forms for released software additions and revisions.

Change Management

- Numerous out-of-the-box workflow-enabled workflow forms all with identical base functionality.
- E-mail notification of workflow documents and review request messages.
- Document pooling for shared-work workflow steps.
- Static and dynamic multi-users reviews of workflow documents (including discussions and polling).
- Single and multi-user CMPRO-based review messages all linked directly to the associated workflow document.
- Detailed history for all actions and messages associated with a workflow document.

Enterprise Change Control

- Integrated Enterprise Change forms.
- Enterprise Problem Report;
- Enterprise Software Problem Report
- Enterprise Change Request
- Enterprise Change Notice
- Impact Matrix / Costs

Collaboration

- Share Space forums and documents provide method for posting, sharing, and working on non-CM controlled items.
- Discussions facilitate topic-guided interaction for specific items.
- Polls gather user opinions on specific items (and have integrated discussions).

Security

- Proprietary Groups protect data across all modules in CMPRO.
- Security at the main data and electronic file data levels.
- Encryption for client and file access.
- PKI certificate access as required.

Internet-enabled

- Web Browser-based client access.
- Zero-footprint web client (no plug-ins requires).
- Hosting available by PSA (alleviates your need to maintain servers and associated system and application software, and their costs).

System Requirements

- Oracle Database Server.** Version 9i or higher (10g is recommended). Oracle database licensed separately from CMPRO. Any supported platform.
- Adobe ColdFusion Server.** Version 8 Enterprise Edition required for web client. Licensed separately from CMPRO (and other required server software).
- File Server.** For electronic files associated with CMPRO data. Secure FTP recommended (contact PSA for more information). File server licensed separately from CMPRO.
- CMPRO Web Client.** PC running Microsoft Windows and Internet Explorer (5.5+) or Mozilla Firefox (1.5+). Mac running Mac OS X (10+) with Mozilla Firefox (1.5+) or Apple Safari (3.0+). PC running Linux with a browser that has capabilities similar to Windows Internet Explorer or Mozilla Firefox.

Government Notes

- U.S. Navy and Marine Corps.** CMPRO is DADMS approved, without restrictions, through June 18, 2011 (DADMS ID: 20419).

Purchase or Learn More

Contact PSA today to purchase CMPRO or for additional information.

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