Standards Manager

Automation, Conversion, and Compliance

collaboration.   consistency.   speed.   accuracy.   quality.

Why CAD Standards?
When working as a project team, communication is key. In the CAD world, our deliverable is how we communicate the what, where, and how. The quality and the profitability of our projects are determined by the accuracy of that communication. CAD Standards ensure we are all speaking the same language.

But how to ensure compliance with your standards? With Standards Manager, implementation is achieved with automation. We make it easier for each member of the team to do the right thing than to do their own thing. And our comprehensive auditing and reporting tools ensure 100% compliance.

ROI you can expect from Standards Manager:

For All Flavors of AutoCAD

Collaboration
With today's changing workforce, effective collaboration is paramount. Standards Manager will streamline workflow and create digital files that are easier to share.

Now you can better balance workload between offices or supplement your workforce with outsourcing. Effective collaboration maximizes your team resources, maximizes efficiency, increases production volume and lowers costs.

Consistency
Create better looking plans that are easy to read and understand. Seeing the design clearly facilitates a better design with fewer revisions. A better design saves your client money.

Speed
Improve efficiency in the production process. Accelerate drawing production and increase volume of output. Decrease training requirements and QA/QC investment.

Accuracy
Clarity in the plans allows you to find errors sooner. Reduce your liability and limit post delivery revisions.

Quality
Create a better product. A better design. Better, faster, and cheaper.
Your clients will see the difference.

Measurable ROI = Time Savings

The profit gains from a better, more accurate, more consistent deliverable can be difficult to estimate. A return on investment for these production improvements can be gauged through happy clients and repeat business.

Measuring profit gains from better collaboration between disparate offices, shorter time to productivity in new hires, and easier data sharing with sub consultants can also be challenging. One can see a return on the investment in these areas through a normalization of workload across regions, lower staff costs, and faster project completion times.

What we **can** quantify monetarily are the savings from a reduction of man-hours required to perform daily design and drafting tasks. The analysis below is based only on this component of ROI from Standards Manager.

First Year Cost Estimate *(based upon 50 cad designers)*

Software Costs (initial purchase

50 User Modules for 50 owned seats of CAD   50 * $495 = $ 24,750

Software Installation / Deployment Cost $ Included

This is a simple task and can be configured to install automatically on the user stations upon login.

Training Costs $ Included

Training on the User module is also simple. Introductory training includes web-based pre-recorded video instruction and on-line digital training guides.

Live web training, including one session for cad users and one session for standards administrators, is included with purchase of 50 seats.

CAD Standard Development Cost $ Included

Full digital integration of the US National CAD Standard (NCS) v5.0 is included with purchases of 50 seats or more. Also included are minor modifications and additions to the NCS content.

Additional services such as setup, testing and deployment of unique agency standards including layers, colors, linetypes, plot styles, text styles, dimension styles, organization of symbol and detail libraries, creation of production palettes for specific project groups and disciplines, etc. can all be provided for an additional fee.

Total Cost: $ 24,750

Calculated Return on Investment

For the purposes of this evaluation, assume the average time saved by a designer/drafter using CAD Standards Manager is **15 minutes per day**. This is a conservative estimate based upon personal interviews with dozens of current Standards Manager users as well as internal time trials performed by CAD Masters' technical staff.

Time savings are realized through quick access to standard symbols and details, ease in the layer creation process, ease in controlling layer status for various drafting tasks and desired views, ease in manipulating xrefs, decreased plotting time, ease in finding data in shared drawings, ease in controlling text, and much more.

ROI based upon hourly billable rate:

15 min/day @ $90/hour average billing rate = $22.50 per day per user in savings
50 users @ $22.50 per day = **$1,125 per day in savings**
ROI break-even point in 22 working days

Potential Profit Gains First Year

260 working days per year, less 22 working days to break even = 238 profitable days
238 days @ $1125.00/day in savings = ***$267,750 additional profit*** *in the first year*

Potential Profit Gains Annually

Annual Software Subscription
   50 User Modules for 50 owned seats of CAD   50 * $149 = $ 7,450

$7,450 annual maintenance / $1,125/day savings = 7 working days to break even
260 working days per year, less 7 working days to break even = 253 days of savings
253 days at $1,125/day in savings = ***$285,050 additional profit annually***