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 share your drawings with other departments, contractors, or jurisdictions. 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.

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 improve public safety and satisfaction.

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

Measurable ROI = Time Savings

The return on investment from a better, more accurate, more consistent drawing inventory can be difficult to estimate. Some of the gain can only be seen through faster response times and improved customer satisfaction rather than measured in dollars and cents.

Measuring gains from improved collaboration between disciplines, shorter time to productivity in new hires, and easier sharing of data with consultants can also be challenging. These gains can be seen through decreases in the number of change orders, better staff on-boarding, 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 25 cad designers)

Software Costs (initial purchase)
25 User Modules for 25 owned seats of CAD   25   * $495 = $12,375

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 for government agencies who purchase 25 or more seats.

CAD Standard Development Cost $ Included
Full digital integration of the US National CAD Standard (NCS) v5.0 is included with purchases of 5 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 Costs: $ 12,375

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 staff cost:

15 min/day @ $50/hour average staff cost = $12.50 per day per user in savings
25 users @ $12.50 per day = **$312.50 per day in savings**
ROI break-even point in 40 working days

Potential Savings in staff costs in the first year:

260 working days per year, less 40 working days to break even = 210 days of savings
210 days at $312.50/day in savings = ***$65,625 total staff savings*** *in the first year*

Potential Savings in staff costs annually:

Annual Software Subscription
25 User Modules for 25 owned seats of CAD   25   * $ 149/seat = $ 3,725

$3,725 annual maintenance / $312.50/day savings = 12 working days to break even
260 working days per year, less 12 working days to break even = 248 days of savings
248 days at $312.50/day in savings = ***$77,500 total staff savings annually!***