EASY MANAGEMENT OF CONSTRUCTION DEFECTS

Easy to use and implement
✔ Minimal staff training required
✔ Increases productivity
✔ Fits seamlessly into your existing workflow
✔ Low hardware and maintenance costs
✔ Eradicates double entering of data
✔ Provides central information management

Real-time project snapshot
✔ Provides full defect analysis for each project
✔ Immediately alerts Project Manager of issues
✔ Data is available instantly, from any location
✔ Overview or comprehensive details available
✔ Images can be stored with data
✔ 24/7 access to information
HOW IT WORKS

DEFECTS CAPTURED
ON-SITE WITH OUR DIGITAL PEN
Users complete a standard paper form using the PenMatrix digital pen. As they make notes, the pen captures, stores and saves all handwritten information as snapshots and coordinates.

DATA TRANSFERRED
AUTOMATICALLY, VIA BLUETOOTH OR USB
All snapshots and coordinates captured by the PenMatrix digital pen are uploaded to the host server. This process can be performed onsite via secure Bluetooth, or back in the office via a USB.

ONLINE MANAGEMENT
TRACK DEFECTS WITH YOUR WEB BROWSER
Information collected by the pen is converted to PDF format and integrated into the powerful PenMatrix database and workflow system. Data can then be used for a range of analysis and reporting purposes.

HOW THE DIGITAL PEN WORKS

The PenMatrix digital pen may look like a regular ballpoint pen, but that's where the similarities end. Used with specially designed patterned paper, it becomes one of the most useful tools a business can have.

The PenMatrix digital pen is a powerful piece of technology. Each digital pen has a camera, a micro image processing unit and a Bluetooth receiver built-in; enabling any member of your team to capture, store and send digital handwritten information quickly.

As you write with standard ballpoint ink, a camera inside the barrel of the PenMatrix digital pen records each stroke made on the paper. These strokes are converted to coordinates that the pen tracks, records and stores. The pen knows what was written, when it was written and who wrote it. Once the form is completed, the information is uploaded via 448bit encryption to the web interface.

SEE PENMATRIX DEFECT MANAGER IN ACTION

As anyone in construction knows, addressing defects is a part of the process. Finding an adequate defect reporting and management system has always been a little hit and miss – until now. With minimal effort, PenMatrix’s Defect Manager will become an integral part of your workflow; helping your team to effectively manage and address defects, on schedule and on budget.

Visit the Defect Manager website for an overview of the features and benefits of the Defect Manager system. You’ll learn how to use the pen, how to complete a form and how to upload and sync data. You’ll also see a demonstration of the online Defect Manager web portal that stores, manages and analyses all captured data.

www.penmatrix.com
While the PenMatrix digital pen is an impressive piece of hardware, the software that supports it is the true powerhouse of the system. PenMatrix Defect Manager collates all captured data and provides a comprehensive summary of all defects for project managers and subcontractors.

Easy to use and simple to update, the Defect Manager online web portal provides your team with a range of relevant information.

The system can show live statistics on defects, provide worksheets for subcontractors, identify areas that need attention and easily access individual records that show photographs and diagrams.

The system produces a range of dynamic graphs and reports that reflect project status including analysis of sub-contractor performance.

For additional functionality, a range of add-ons can be incorporated into the system including OH&S identification and reporting, a project diary, project checklists and for compliance, full audit trails.
BENEFITS

✓ A familiar tool with extra functionality
If you currently use a pen and paper to report on defects, PenMatrix DM will fit seamlessly into your workflow.

✓ A cost effective solution
The PenMatrix DM solution costs much less to purchase, implement and support compared to PDA and Tablet PC based systems.

✓ Save time and money
Streamlining your workflow means you work smarter. The PenMatrix DM system saves you time and money by eliminating manual data entry. There’s no scanning, no faxing and no double handling of data.

✓ Security
All data recorded and sent by the PenMatrix DM system is protected by 448bit encryption. Information captured when using PenMatrix DM is time and date stamped and can be audited.

✓ Ease of use
The award winning PenMatrix DM system has been designed for fast adoption across all users, regardless of skill level. Our research has shown that using a digital pen increases productivity by 30% compared to using a small handheld or PDA.

✓ Disseminate information quickly and easily
Information collected by the PenMatrix DM system can be delivered to multiple locations instantly. Used in conjunction with the web portal and dashboard, project managers can view a range of reports including a defect overview.

FEATURES

✓ Ballpoint pen to digital data
The PenMatrix digital pen is an impressive piece of hardware. Slightly larger than a ballpoint pen, it contains an integrated digital camera, Bluetooth receiver, micro imaging processor, internal memory and long life battery.

✓ Automated document management
Quickly and easily access the information you need. The PenMatrix DM system helps to simplify filing and retrieval of project information through our automated document management system. No more lost documents. No more manual data entry or double handling of information.

✓ Up-to-date project snapshot
Project managers, users and subcontractors can stay up-to-date with the progress of each build. The PenMatrix DM web portal and dashboard collates and displays all the information you need to manage your team and your project.

✓ Analysis and reporting tools
The PenMatrix DM system provides full defect analysis for the construction industry. The Defect Manager database produces a range of dynamic graphs and reports that reflect project status, subcontractor performance and S-curves.

✓ Subcontractor management dashboard
PenMatrix DM’s Project Manager interface provides a centralised hub for managing subcontractors. Project managers can easily view live statistics on defects, create worksheets and provide meaningful task driven information complete with photographs and diagrams.

ABOUT US

Formed in 2005, Colleagues is an international solution provider based in Perth, Australia. Our mission is to develop better ways for our clients to collect, manage and make use of their data.

For more information contact Sean Flynn

Mobile
0430 984 897

Email
sflynn@colleagues-info.com

Website
www.colleagues-info.com

OUR CUSTOMERS SAY...

This new software enables us to reduce the punch listing period and increase the satisfaction of our clients.

It records and archives project issues for our statutory responsibilities and quality assurance, whilst identifying the weakest links in the supply chain.

We are able to benchmark projects against one another and benchmark performance across the board.

Sam Edwards, Managing Director
Edwards Constructions