

# DIGITAL PROJECT EXECUTION

## Paperless engineering has real project benefits

An example of Vista reducing project costs for clients through technology and innovation is our digital project execution strategy. This approach has led to significant efficiencies, such as an 11% reduction in man-hours on a recent major capital project FEED.

Our digital project execution strategy includes paperless review processes, digital engineering stamping, and real-time document collaboration between client and Vista project staff. Benefits include enhanced data security and cost savings through reduced man-hours and printing, as well as improved document storage, searchability and tracking.



## Vista's Digital Project Execution Model

### PAPERLESS PROCESSES

While there will always be some printing on projects, our digital execution model centres on paperless processes, which means deliverables do not require hard copies. Since implementing paperless procedures, Vista has reduced printing volume by 35%, reducing our impact on the environment and cutting costs.

### DIGITAL STAMPING

Working with an APEGA-authorized digital stamping software, Vista enables professional engineers to digitally authenticate technical deliverables.

### ENHANCED SEARCHABILITY

In a traditional execution model, drawings are printed, stamped by the authorizing engineer and then scanned and filed digitally. The downside is that scanned documents offer limited searchability. Finalizing drawings digitally allows all content in the final file to be searchable, greatly improving efficiency.

### REAL-TIME COLLABORATION FROM ANYWHERE

To review files digitally, Vista uses PDF software that enables real-time collaboration. This means that files can be reviewed, revised and authenticated simultaneously instead of in sequence. And because data is automatically stored on our secure servers, project personnel can access and update the drawing information from anywhere with an internet connection, ensuring the entire team is always working from the latest revision.

### TRACKING AND INTERPRETING INPUT

With team members providing input digitally, comments are tracked by user, time and date so there is no longer any question of who said what or which comment is the most recent. Another benefit is that comments are typed, which significantly increases legibility.

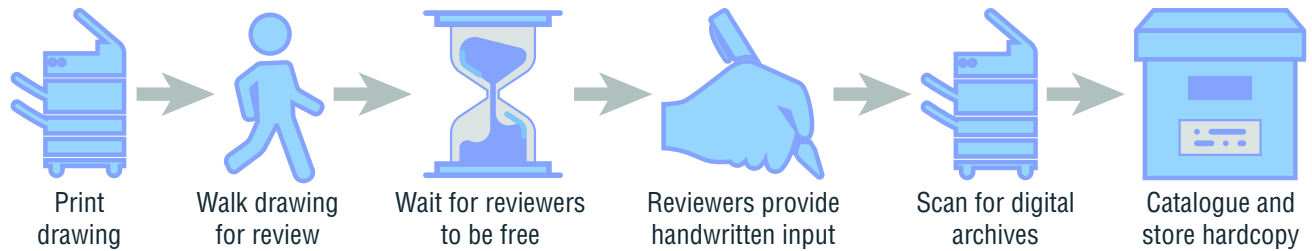
### DATA SECURITY

Vista's digital review and stamping processes are protected with encrypted login procedures and offer superior security than traditional methods in which hard copies or stamps can be accidentally left in the open, lost or stolen.

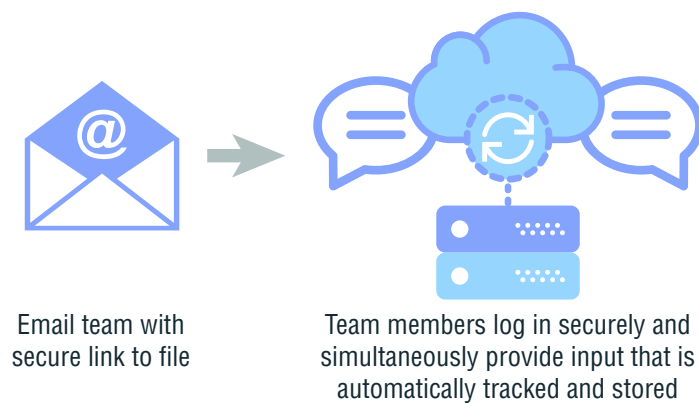


## Electronic Workflow Saves Time

### EXAMPLE DRAWING REVIEW: TRADITIONAL WORKFLOW



### EXAMPLE DRAWING REVIEW: ELECTRONIC WORKFLOW



#### OPTIMIZED FILE STORAGE AND ACCESSIBILITY

In addition to reducing costs through less printing, an electronic workflow enables projects to cut back on the time required to scan, organize, file and store both digital and hard copies of deliverables. Instead, updated files are automatically saved and stored in a way that makes the latest information easily searchable by project personnel from anywhere with an internet connection.

#### SECURE DATA CENTRE

Vista's servers are hosted in one of Q9's world-class, fault-tolerant data centres. Q9's data centres are designed, built and operated to deliver the highest levels of reliability and performance.

**For more information on Vista's digital project execution model, please contact:**

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