Engineering Drawing Management

How to get adoption

Advisory | Capital projects | Operational engineering

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Measure First

Let's do a Findability Assessment so we have a base line.

https://findability.drawinghub.ai/report/sample

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1. Problem Statement
2. Current Process
3. New Process
4. Plan
5. Execution
6. Training
7. Launch
8. Support

Playbook

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1. Problem Statement

What we heard:

- Engineering drawings must comply with CMHSA

  - S4.32 must be updated no later than 8 days
    Multiple sources of truth:

  - Wastes time:
    - Staff are liable to update a drawing multiple times
    - Locating drawing is inefficient when it may exist in one, but not another source
    - Higher rate of error
    - Other employees asked to help locate drawings, taking them away from other duties
    - Missing drawings (or unable to be found) cause frustration

  - Inconsistency across departments
    - Stakeholders include MEM, EEM, Engineering & Maintenance Manager
    - Need to work as a team, use one source of truth, standard process across teams

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2. Current Process

Map the current process for:

- Backdrafting of operational changes (MoC)
- Projects brought to site
- OEM equipment – are drawings sent to be uploaded to DMS?
- Identify current issues and inefficiencies:
- Does the drawing exist on Projectwise?
- Incorrect metadata?
- Lack of training in Projectwise?

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3. New Process

- Create new desired state
- Create a gap analysis (current state to new state)
- Risk assessment for change management
- Develop process map and procedures (SOPs)

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4. Plan

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- Project schedule
- Stakeholder map
- Requirements doc
- Solution selection (DMS choice)
- Select 2 site champions for training
- Role access (governance)
- Test plan (acceptance criteria)
- Training plan (go live)

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5. Get the Drawings!

A
- Site Engagement – Ask people where the drawings are

B
- Collect drawings – Take a copy of what you have / eg build a SharePoint – Spreadsheet Registers

C
- Extract metadata – Compare with Registers and create the ultimate manifest (Audit the results) and Update

D
- Upload into system for internal testing

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6. Training

- Commence training of client staff on site
- Provide FAQ, how-to guides,
- Instruction for on-site staff to upload drawings

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7. Launch

- This stage marks an official date on which the transition to the new drawing management system is complete:

  - All duplicates and convenience copies are now <u>deleted</u>

  - Familiarization process for detractors has been completed and these personnel are aware they will be switching to new system

  - Empower Champions to make people use the system

  - Track the use (so you can see that it is being used)

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8. Support
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- On-site post-launch support and troubleshooting
- DaaS back-drafting packages

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Get in touch

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Our Vision

"Drawing Hub becomes the industry's single source of truth for engineering drawings — no scavenging across drives, no tribal knowledge, no missing revisions. Every drawing, every version, every boundary box, every extracted field is instantly findable, validated, and auditable."

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Thank you!

Let's work together to bring the vision to life!

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