opentext™

Connecting critical data in public works projects

with OpenText™ Extended ECM for Engineering



opentext™

Contents

Executive summary 3

The problem: Gaps between engineering files and business workflows 4

Integrating engineering documentation into agency workflows 4

Streamlining management 5

Conclusion 5

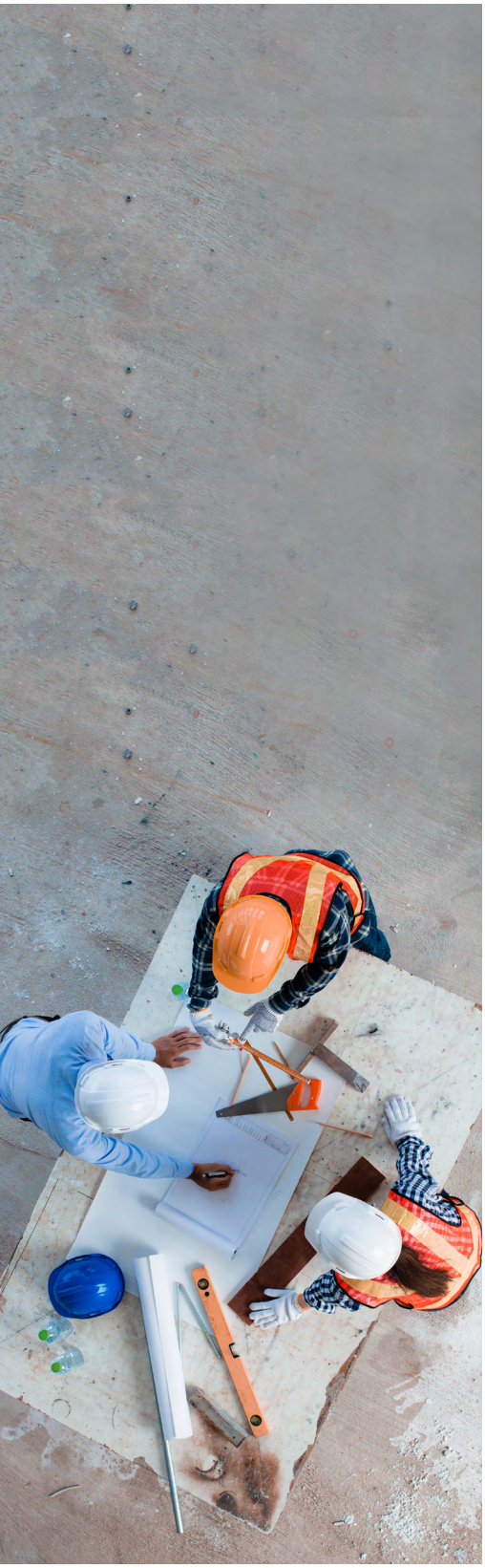
opentext™

Executive summary

Governments are responsible for the world's most significant infrastructure projects. Ranging from tunnels for transit to bridge repair and new rights-of-way, these projects can cost hundreds of millions of dollars and require hundreds of engineering sub-projects. Generally funded by government grants, these complex engineering sub-projects must be securely managed across workflows such as vendor management, legal, procurement, project planning, stakeholder review and enterprise asset management

Governments around the world are responsible for providing reliable infrastructure to ensure the efficient movement of goods and passengers. These public works projects capture the attention of public officials, the media and citizens based on the sheer magnitude of funding and coordination required for success. In order to mitigate the risk of overruns, government organizations need a strategy for information management to improve speed, efficiency and compliance.





The problem: Gaps between engineering files and business workflows

Engineering documentation for infrastructure projects naturally resides within repositories dedicated to engineering workflows. However, much of this content is also required for grant monitoring and reporting to funding government organizations. The traditional way project teams share updates, including specialized engineering formats like 2D CAD, 3D BIM, drone video, sensor data and others, requires manually exporting, emailing and uploading files.

This may work for an occasional project, but as the number and complexity of projects ramp up, such workarounds don't scale effectively and create challenges, such as:

- Delays across the lifecycle, leading to difficulty in meeting contractual tracking, reporting and auditing responsibilities.
- Impeded feedback due to the inability of involved staff members to apply plain markups to engineering documents.
- Lack of visibility, control and governance over infrastructure project data, which increases policy, compliance and security risks.
- Data locked in information silos, including EAM, PLM, GIS, file servers and paper, making it difficult for an agency to know what documents they have and where they are.

Integrating engineering documentation into agency workflows

OpenText™ Extended ECM for Engineering combines engineering information and asset management with process workflow solutions, streamlining infrastructure and capital projects.

Extended ECM for Engineering, currently in use at over 50 leading global organizations, addresses many data gaps across the infrastructure program lifecycle. Government agencies can establish a single, controlled source of truth within an engineering file store and directly connect that file into other project workflows and across different devices. This unifies structured or unstructured engineering data with business information, such as procurement records, contracts, licensing/permitting and grant oversight documents.

With Extended ECM for Engineering, agencies can:

- Accelerate collaboration across the project lifecycle via any device.
- Control and track all project information and workflows efficiently, regardless of location.
- Apply automation throughout project management and reporting.
- Achieve new levels of visibility, security and governance.
- Enable simple engineering markup by project participants.

Streamlining management

By accessing engineering documentation directly from controlled engineering solutions, Extended ECM for Engineering can de-silo data, unifying it within a single workflow. This allows streamlined management and heightened oversight of complex infrastructure projects. Agencies can achieve single pane-of-glass dashboards across engineering and operations. Completed projects can also be audited faster with customizable reporting and in-depth revision histories, streamlining compliance required by presiding government grants and contracting regulations.

Conclusion

With the sheer amount of investment and public interest involved, public works projects need tools to lower risk and increase collaboration. Agencies that bridge the gap between engineering documentation and business workflows will streamline their projects and better contain costs.

Learn more about Extended ECM for Engineering for infrastructure projects by visiting the OpenText Extended ECM for Engineering page.

Learn more about how OpenText supports the Public Sector by visiting the OpenText Public Sector page.

About OpenText

OpenText, The Information Company, enables organizations to gain insight through market leading information management solutions, on-premises or in the cloud. For more information about OpenText (NASDAQ: OTEX, TSX: OTEX) visit: opentext.com.

Connect with us:

- OpenText CEO Mark Barrenechea's blog
- Twitter | LinkedIn

Copyright © 2022 Open Text. All Rights Reserved. Trademarks owned by Open Text.
For more information, visit: https://www.opentext.com/about/copyright-information • 06.22 | 20703.EN