



Engineering Excellence With **Foxit's 3D PDF Engine:** A Success Story



ANONYMOUS CASE STUDY

The high-stakes projects of a global engineering and design firm suffered due to the number of stakeholders that needed to be informed, resulting in the need for more efficient tools for collaboration and document management. This company specializes in engineering, procurement, and construction services for industries such as mining, metallurgy, and clean energy chose Foxit PDF Solutions to provide it with an advanced 3D PDF engine that addressed these needs.

| Driving Collaboration in Complex Projects

The consulting firm is well-known for the successful execution of large-scale projects that require precision and efficiency. Delivering these projects isn't easy. It demands seamless collaboration across engineers, designers, contractors, and clients. Without robust document management, delays and miscommunications threaten the success of projects.

As the firm's business grew, its existing tools began to show weaknesses. They weren't equipped to manage and share the intricate 3D models that are so critical to the types of projects being worked on. As a result, operational efficiency began to suffer, especially in cases with a large number of stakeholders or fast-paced timelines.

| Challenges in Handling Intricate 3D Models

As the scale of projects the consultancy worked on grew, significant inefficiencies in the documentation process became apparent. These challenges included:

Design review delays

Teams faced bottlenecks in accessing and reviewing detailed 3D models.

Data accuracy concerns

Inconsistent access to the latest information increased the risk of errors.

Version control issues

Stakeholders often worked on outdated or mismatched document versions, leading to confusion.

These issues negatively impacted project timelines and accuracy, driving the desire for a more advanced document management system.



Pressure on the Engineering Sector to Innovate

The engineering and design industry is pressured to improve documentation and collaboration processes. Within the field, research shows the impacts of ineffective document management:

Project delay

Ineffective project management workflows can lead to 9.9% of every dollar spent being wasted.

Higher error rates

Inefficient tools can increase error rates, leading to costly corrections.

As projects become more complex and technology increases clients' expectations, companies across the industry are seeking innovative tools like Foxit's 3D PDF engine to simplify their workflows.

Foxit's Innovative 3D PDF Solution

Driven by Foxit's reputation as a customer-first provider, the consultancy reached out to collaborate on a solution that could be tailored to its unique needs. It sought to convert complex 3D models into accessible PDF files without losing the interactive features required to convey the information needed to push projects forward efficiently.

Why Foxit Was the Right Choice

Interactive 3D functionality

PDFs retained the ability to zoom, rotate, and manipulate 3D models.

Cloud-based sharing

The system allowed for secure, real-time access to the latest documents, ensuring everyone was always on the same page.

Annotations and notes

Users could add comments directly to PDFs, enabling quick collaboration on documents.

Implementation Process

To fully understand the scope of the project and the needs of the consultancy, Foxit engineers worked closely with the client. The Foxit team took care to explore the existing workflows so that the integration of new features would be seamless. When the project was finished, Foxit provided comprehensive training to get employees up to speed quickly.



Results: Tangible Benefits and Measurable Improvements

Foxit's 3D PDF solution fully addressed the firm's challenges, helping it improve its operational efficiency and allowing it to retain its reputation as a leader in the field.

Quantifiable Outcomes

30% faster project approvals

Streamlined document sharing reduced delays in the design review process.

Cost savings

Improved efficiency and minimized errors lowered overall project costs.

Qualitative Benefits

Enhanced collaboration

Real-time feedback and improved documentation enabled better teamwork across stakeholder groups.


Improved accuracy


Robust version control ensured everyone was able to work with up-to-date, consistent information.

Modernizing the Engineering and Design Industry

Not only does Foxit's 3D PDF solution represent a significant improvement in the consultancy's processes, but it also sets a new landmark for modernizing document management in the engineering and design industry as a whole. With the ability to share and review complex models using simple workflows, the solution shows what the future of the industry looks like.

The Broader Industry Impact

 Advanced tools like Foxit's 3D PDF engine are increasingly necessary as the industry moves toward more collaborative and efficient processes.

 The ability to integrate interactive 3D functionality into widely accessible formats like PDFs will help to drive innovation and improve project outcomes.

A Future of Continued Innovation

The success of this collaboration has inspired the consultancy to work with Foxit on future projects, as well. Because the 3D PDF solution improved the efficiency and precision of the client's projects, it hopes to find other workflows that could benefit from better integration with Foxit's tools. By continuing to evaluate its processes and seeking to bring similar integrations with Foxit's PDF tools to them, the firm can ensure it remains at the forefront of innovation in document management.





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