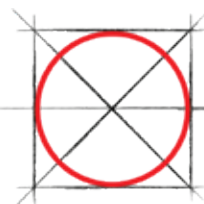


**REVISION ZERO**

IFC - INNOVATIVE FOCUSED COLLABORATIVE



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# CAPABILITY STATEMENT





## CONTENTS

- 3D MODELING AND SHOP DETAILING
- BIM
- ESTIMATE MODELING
- POINT CLOUD SURVEY
- ANIMATIONS AND 4D-5D MODELING
- REMOTE RESOURCE LEASING

# WELCOME TO REVISION ZERO

Revision Zero is a Construction modeling and Steel Detailing company that empowers clients globally to shape the future of the built environment. Our expertise in 3D Construction modeling enables Revision Zero to offer a multitude of services that help reduce risk, improve quality, and enhance performance for the Mining, Resource and Commercial markets.

A range of other services are available, including Model Estimating for tenders and Resource Leasing. Back office services include Document Control and Construction Animations.

### UNDERPIN BIM WITH MILLIMETRE ACCURATE DATA RICH 3D MODELS

Revision Zero can address all of your requirements to sustain an Integrated Project Delivery:

- Early engagement of Revision Zero in the project design and delivery process bridges the gap between the design team, fabricators and erectors to mitigate costly rectifications throughout the project life. We specialise in the model details and collaboration needed to span the differing disciplines.
- Encompassing architectural, structural and MP modelling.
- Using a wide range of authoring tools to create our 3D models, adhering to the necessary Level of Development (LoD) and Progression.
- Creating millimetre accurate 3D models of Steelwork Assemblies, Platework and Vendor items. By bringing the project to life with 3D modeling, we can help you create the winning tender, achieve BIM compliance, and produce data-rich detailing models with the necessary reports and machinery data to support fabrication and erection activities.

### MODELING TO SHAPE THE FUTURE

Our team of dedicated professionals have the knowledge and experience to accommodate structures of all sizes and types. Revision Zero takes pride in utilising the latest technologies for modeling information management and process improvement.





# 3D MODELING AND SHOP DETAILING

**Clients have entrusted Revision Zero to successfully deliver projects globally.**

With a current team of dedicated professionals with a depth of expertise in Structural, Platework, Mechanical & Piping disciplines, and shop detailing. We can accommodate various sizes and types of structures for Project Owners, EPCM Contractors, and Fabricators worldwide. The hands-on management nature of the business results in a connected workforce with a high level of ownership & accountability, which has a positive impact on our clients' needs and requests.

We utilize Tekla Structures to create data rich, millimetre accurate models and drawings. The General Arrangement, Assembly & Fitting drawings and all associated shop floor machinery files, erection and bolting reports, and client in-house management system data are derived electronically from the model to ensure accuracy against the model environment. Revision Zero also offers customization of Tekla with purpose built APIs and the development of bespoke reports and templates.

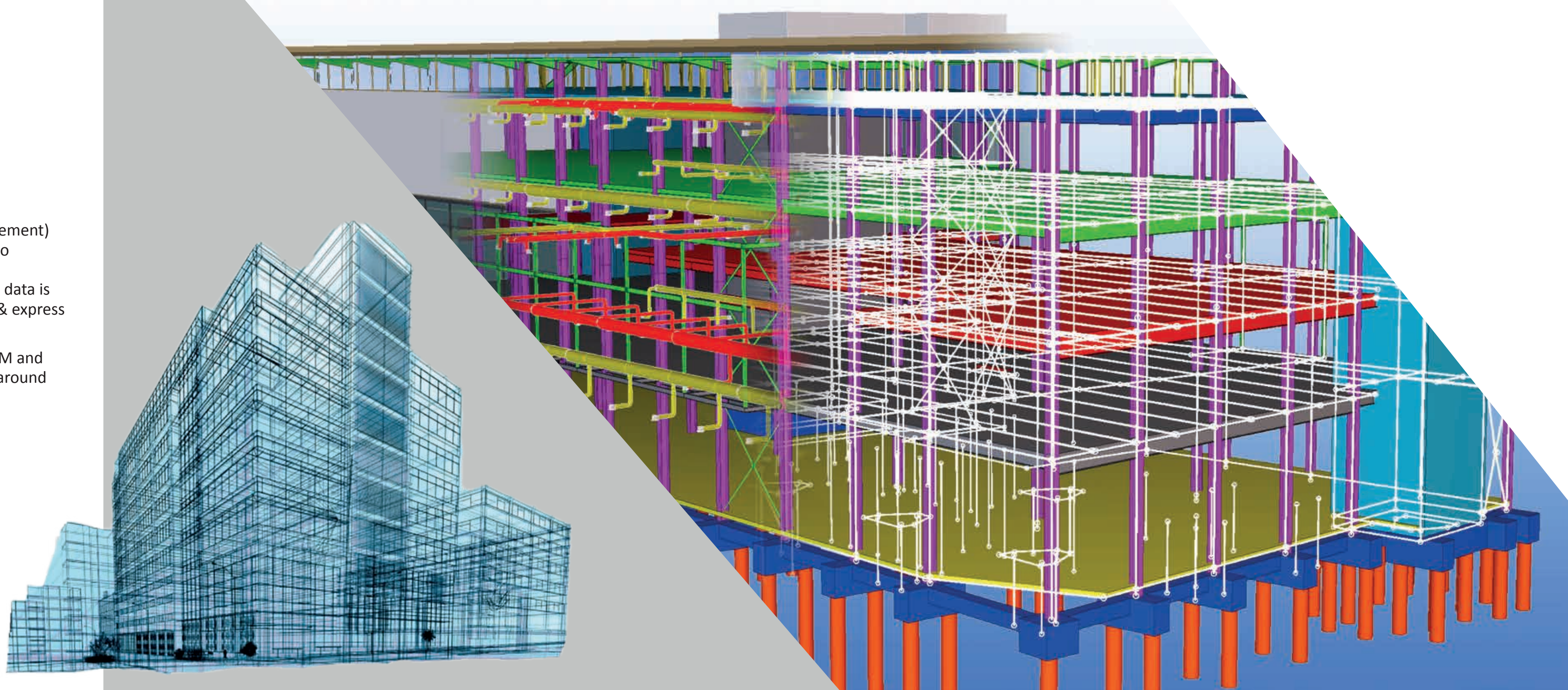


# BIM

## BUILDING INFORMATION MODELLING

BIM (Building Information Modeling (or Management)) is a fundamental and often mandated process to collaborate differing construction disciplines. Comprising of several levels of detail (LOD), the data is used to improve accuracy, avoid costly clashes & express design intent among all stakeholders.

Revision Zero is well-versed in implementing BIM and structure and customizing our delivery service around the required project BIM systems.

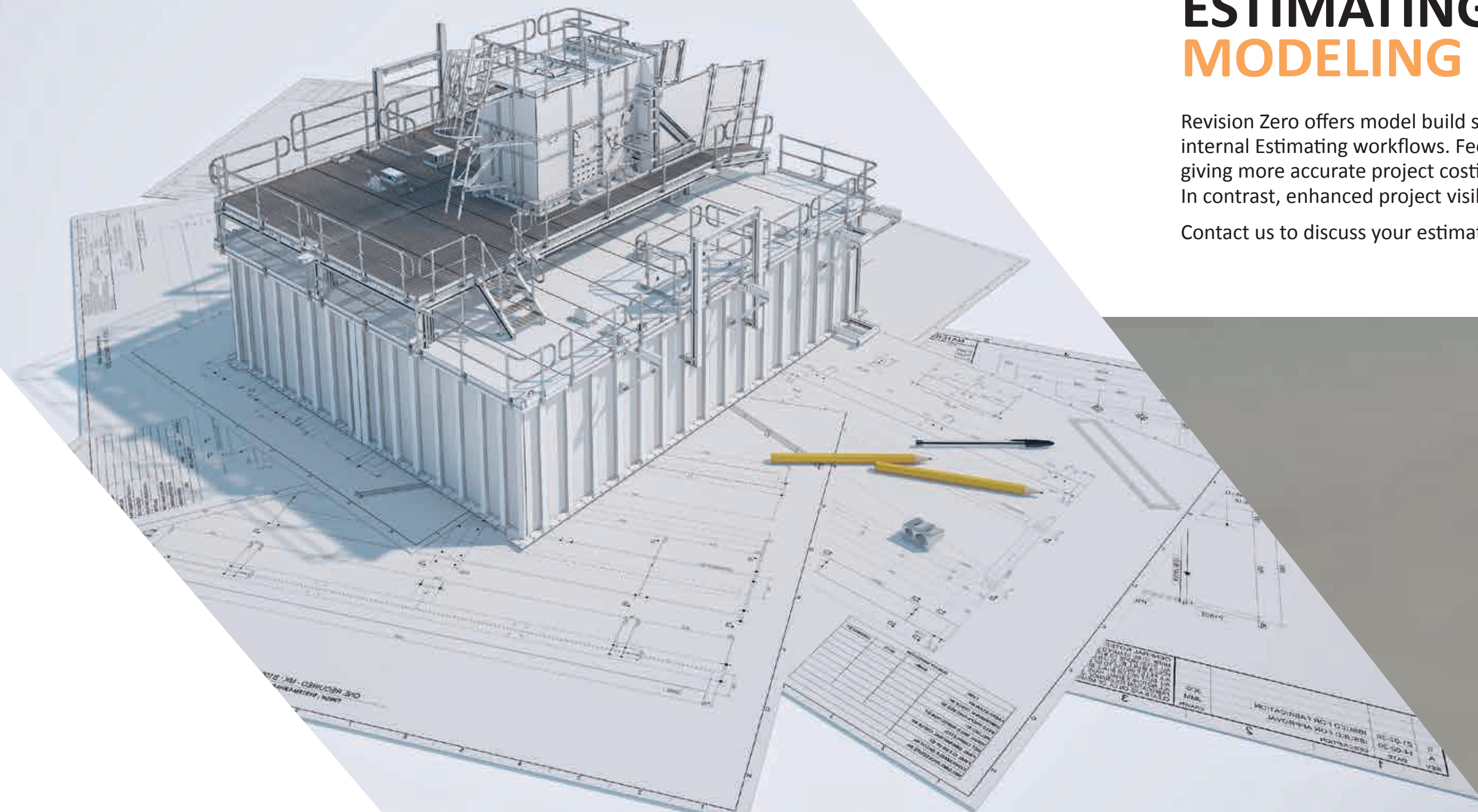




# ESTIMATING MODELING

Revision Zero offers model build services from schematics or design documents and links this to the Revision Zero (or clients) internal Estimating workflows. Feedback from clients has established this adds value & supports the tendering process, giving more accurate project costings, options for early material ordering, and seeking out information deficiencies. In contrast, enhanced project visibility and insight allow a more precise project execution.

Contact us to discuss your estimating needs.





# POINT CLOUD SURVEY

Point Cloud data for 3D modeling has existed for a while and is becoming a powerful tool for contractors and engineers. A point cloud is a collection of minor data points, with each point having X, Y & Z coordinates. Each point represents a portion of a surface. For example, a building façade or a site location.

Point cloud data is typically created using a laser scanner imported into a point cloud, modeling software solution. This information can then be reviewed and modified if necessary and exported from the modeling platform and uploaded to the Tekla model environment.

Revision Zero has worked with point cloud technology, making the detailing process more efficient and precise.





# ANIMATION IN 4D-5D MODELING

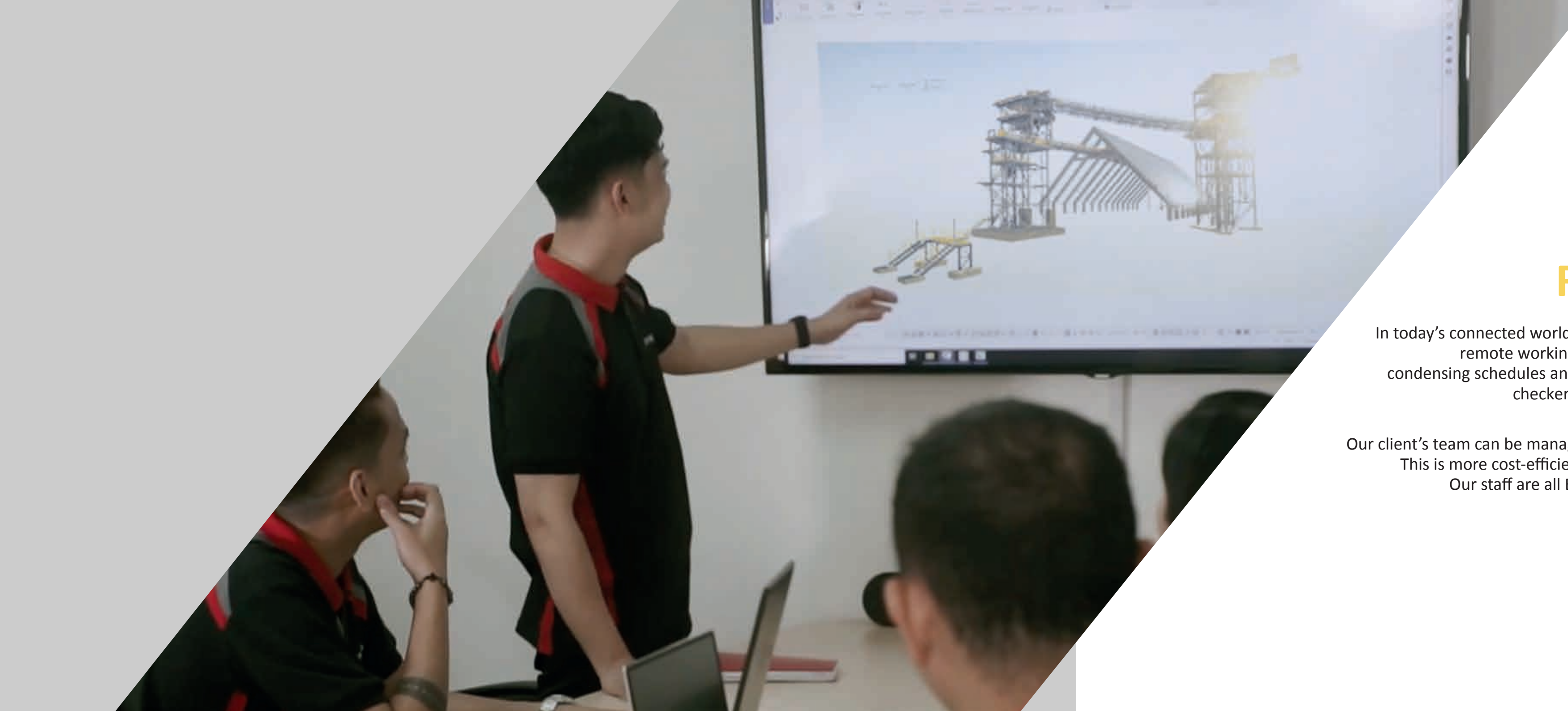
Animations of projects are a great way to bring your projects to life. These can be useful for future tenders, a valuable tool for video advertising & inspiring a fun workplace atmosphere. More seriously, coupled with 4D (time) and 5D (cost), they can help with disputes to elevate critical path delays.

Feel free to call for a cost estimate.

*See the animations section of the website for examples of animations recently completed.*







## REMOTE RESOURCE LEASING

In today's connected world and uncertain times of reduced office areas and staff, remote working arrangements are increasingly vital to meet the ever condensing schedules and project demands. Revision Zero has many modelers, checkers, and editors who can be leased as short, medium, or long-term support to your existing team.

Our client's team can be managed internally by Revision Zero or externally by others. This is more cost-efficient than hiring locally, and every cost saving is a bonus. Our staff are all English speakers and committed to getting things done accurately and to the client's specifications.

Happy to discuss your business needs.