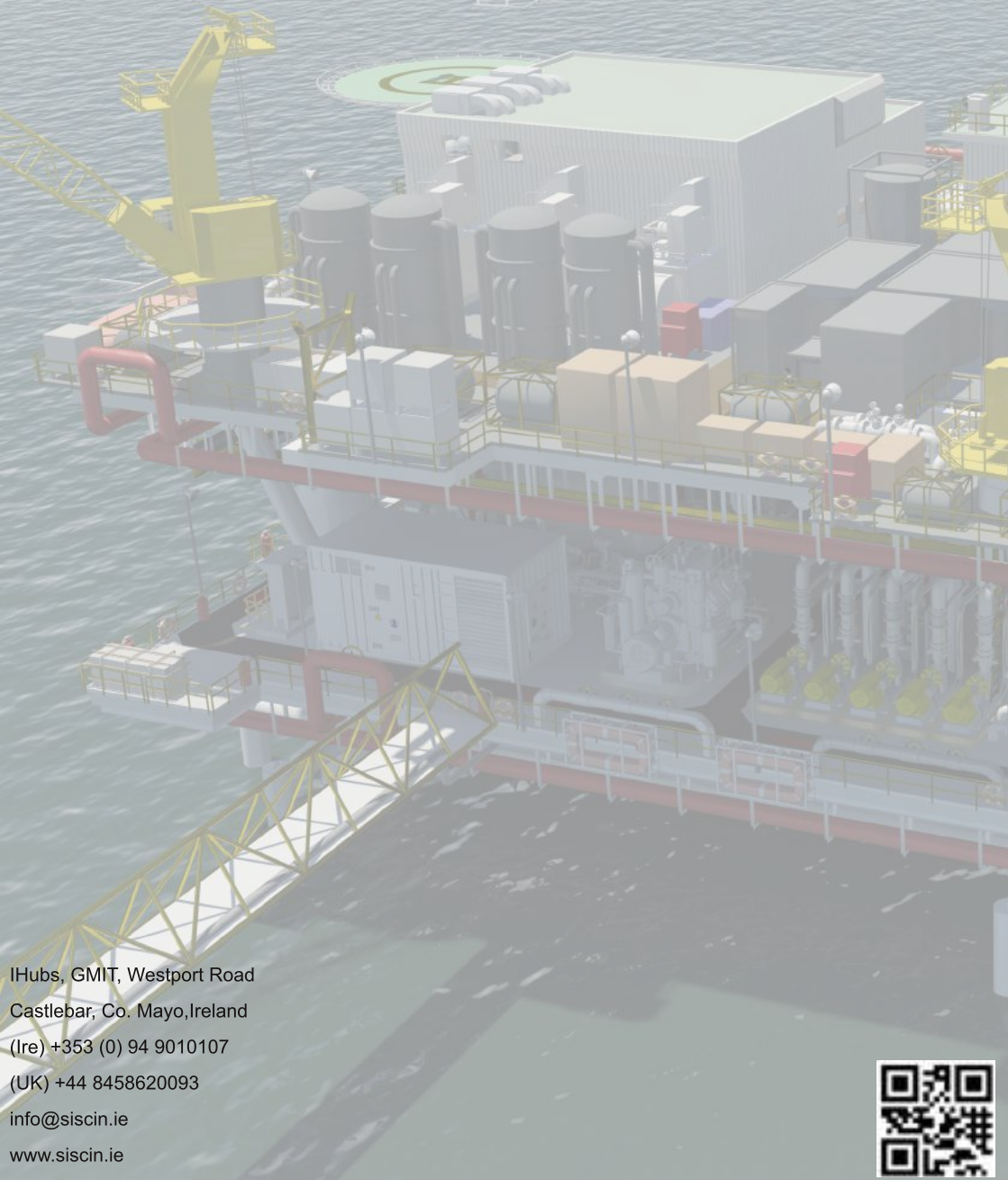


Siscin

BIM
& 3D Animation



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Introduction

Siscín is a world leading 3D Visualisation & BIM consultancy delivering services across the world and in multiple disciplines

Why use BIM/3D images and Animations

Present and test your design before any money is spent on construction or manufacture

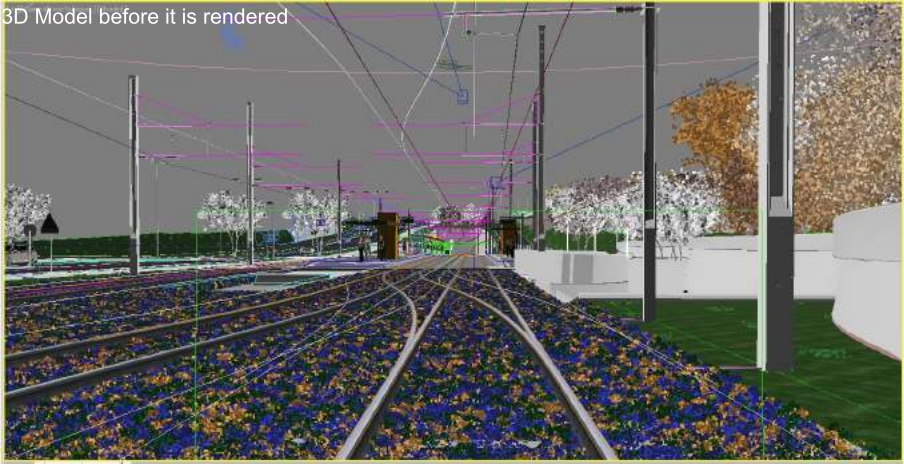
Allow clients to understand your design without having the knowledge of reading complicated drawings

Prevent misunderstandings - the client and the design team can clearly see the vision

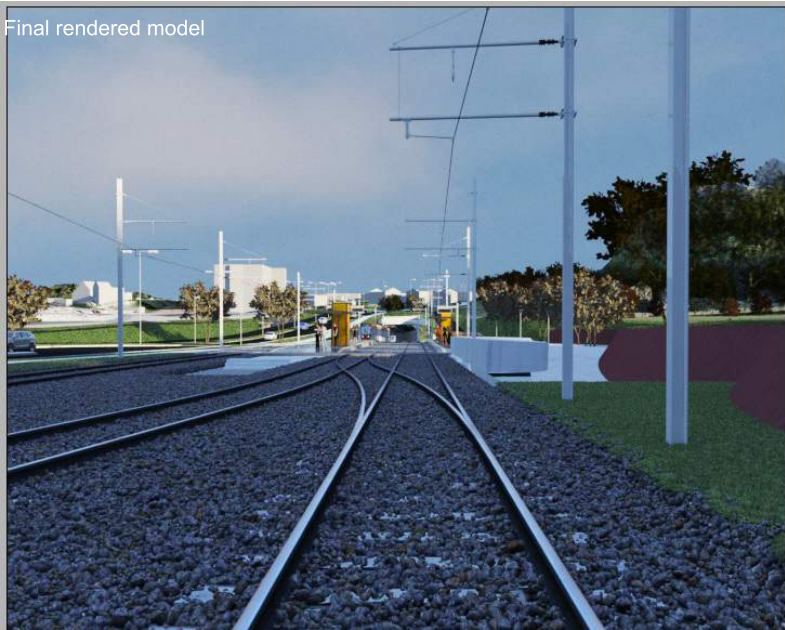
BIM and 3D models, animations, images and shadow studies are now a requirement of many local authorities and governments

How we do it

3D Model before it is rendered



Final rendered model



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How we do it

Siscín work with client/design team and build the BIM/3D models in several ways

- Verbal information, through discussion and working with the client/design team
- 2D CAD or PDF drawings supplied by the client/design team
- 3D models supplied by the client/design team
- BIM models supplied by the client/design team

What ever method is agreed Siscín work with the client/design team to deliver a product that suits the project requirements



Infrastructure

Roads Project Nigeria



Light Rail Project - Bergen -
Norway



Canal Renovation Project - Ireland



Animation

Animation

Siscín create high end animations from 2D drawings, 3D models & BIM models animations are regularly used for

- Walkthrough Animations
- Flyby Animations
- Client & Marketing Presentations
- Investor Presentations
- Design Review
- 4D Simulations
- Testing Design Scenarios
- Speed analysis

Interactive Animations

Interactive animations allow you to walk around a scene similar to how you walk around a computer game. It allows you to walk around & explore your design.

It has many advantages over a traditional walkthrough or flyby animation as you can stop turn around and examine your design. Allowing the stakeholder to examine the design more closely and test different scenarios.

Images

High Resolution Image



Photomontage



Videomontage



Images

Images

We create high resolution, premium quality images. Environmental and landscaping objects such as people, trees, grass, water and cars can be added to the for realism

Photomontages

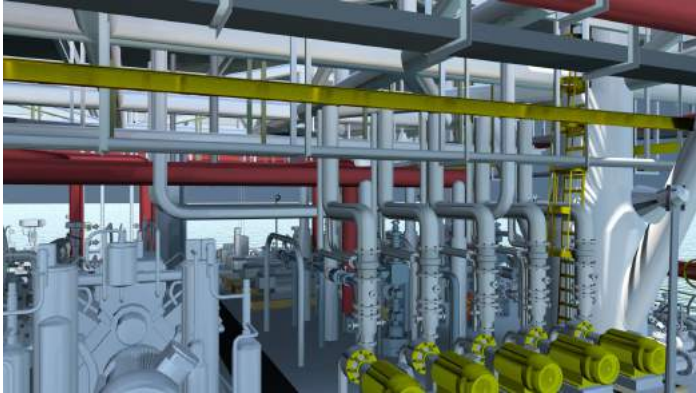
We create premium quality photomontages by placing a highly realistic, accurate 3D model into a verified photograph which shows the proposed project in the surrounding environment. The photomontage can communicate the proposed design to stakeholders and can aid in resolving design issues and objections.

Videomontages

A videomontage is where we place a highly realistic, accurate 3D model into geotagged video footage from a drone or other aerial vehicle.

The videomontage allows you to see the project from 360 degrees where the photomontage you only see the project

Pharmaceuticals



Oil & Gas

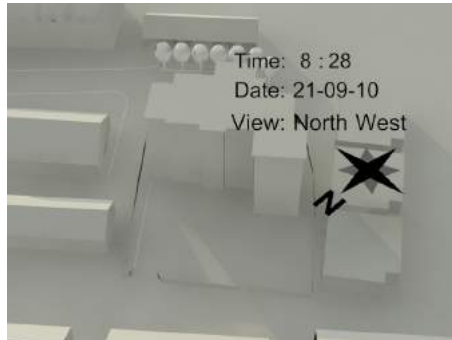


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Sun/Shadow Study



A sun/shadow study shows the path of the shadows over a period of time

Lighting analysis



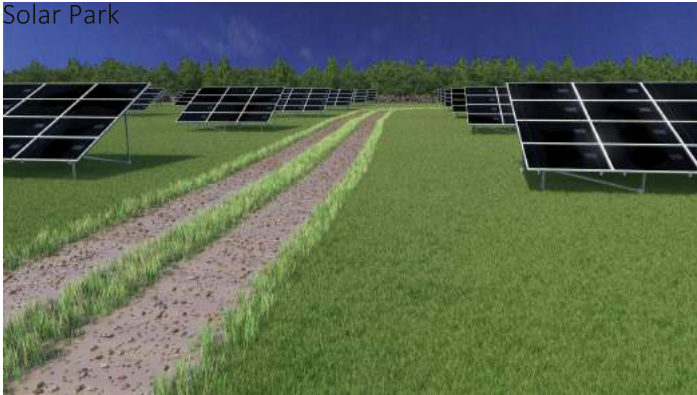
Using a 3D model with accurate lighting and materials Siscin can analyse the lighting simulation

Renewable Energy

Wind Farm (UK)



Solar Park



Wave energy Converter



Building Information Modelling (BIM)

Siscín are a leading BIM consultancy that help customers implement BIM within their organisation. Siscín's BIM services are platform independent which allow our team to advise and deliver a complete BIM solution. Our solutions are discipline or project specific as BIM solutions should not be generic as every company and project are different. Our services include

- BIM Coordination & Management
- BIM Strategy & Planning
- BIM Implementation
- BIM Training
- BIM Modelling
- BIM Content Development
- BIM Support & Customisation
- Advice & Support
- BIM Virtual Reality
- BIM Augmented Reality

Architecture & Interiors




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BIM & Asset Management (BIFM)

This is a process where a BIM model is linked to an asset database which contain all the asset data within the building or facility. The model can be used by the facilities & maintainance teams to easily access the asset information and maintainace records such as O&M manuals, maintainance records or other required asset information.

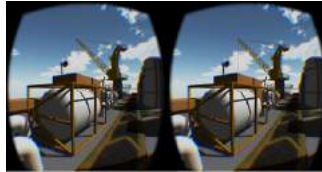
- As-Built Modelling
 - Model to Data Linking
 - Model Management
 - Model/Asset Coordination
 - Training
 - Advice & Support
- 

Virtual Reality

Virtual Reality allows you to immerse yourself in a 3D scene by wearing special glasses and optional headphones. Using two of the five senses VR allows you to experience the the model by interactively walking around the scene.



VR Glasses

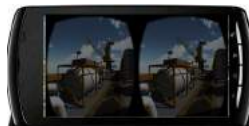


View from the VR Glasses

VR Allows to

- Virtually experience a project before any construction begins
- Allows the user to get full spacial awareness of an environment
- Experience and simulate dangerous situations in a controlled environment

Virtual Reality can also be experienced through your phone using Google Cardboard



Augmented Reality

Augmented Reality is where a virtual model is viewed in a real world environment.



Augmented Reality allows you to

- View your project on site via a phone or tablet
- Allow you to walk around your project on site and view your virtual model in its proposed environment
- Contractors can view their work area before starting work.
- View Underground Utilities before opening the ground
- Facilities and maintenance teams can look behind walls, ceilings and floors to see

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