Gathering25

Realising vision, advancing automation

CitA25

Driving Digital Construction for 25 years

Jonathan Rogers

Practical BIM Adoption for SME Innovation

Helping SMEs prepare for BIM adoption and win projects

Jonathan Rogers – Education & Experience

BSc Architectural Technology – DIT – 2011 - 2015

MSc Applied Building Information and Management – TUD 2016 - 2019

MOLA Architecture – BIM Coordinator – 2015 – 2019

Kingspan Insulated Panels (UK & Ireland) – BIM Specialist - 2019 – 2020

Kingspan Group – BIM Manager – 2020 – 2024

ConTechDPD – Founder and Managing Director – Founded December 2024

wave

D·I·T Dublin Institute of Technology · Institiúid Teicneolaíochta Átha Cliath

MOLA Architecture

TU DUBLIN Ollscoil Teicneolaíochta Bhaile Átha Cliath · Technological University Dublin

Kingspan

CONTECHDPD BIM & DIGITAL PROJECT SPECIALIST

The CWMF BIM Framework:
Why SMEs Need to Prepare Now

Capital Works Management Framework

BIM mandatory on €100m+ projects from Jan 2024

Expands to all public works by 2027

Public sector driving digitalization of construction by 2030

2024	2025	2026	2027
> €100m	> €20m	> €10m	> €1m
Design Team	Contractor and Supply Chain	Design Team	Contractor and Supply Chain

Opportunity for SMEs:

Early adoption = competitive advantage

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CONTECHDPD

CONSTRUCTION **TECHNOLOGY** **SOLUTIONS**

We deliver end-to-end digital solutions

CONTECHDPD BIM & DIGITAL PROJECT SPECIALIST

DPD-1

DIGITAL PROCESS DEVELOPMENT

CONTECHDPD BIM & DIGITAL PROJECT SPECIALIST

DPD-2

DIGITAL PRODUCT DEVELOPMENT

CONTECHDPD BIM & DIGITAL PROJECT SPECIALIST

DPD-3

DIGITAL PRODUCT DISPLAY

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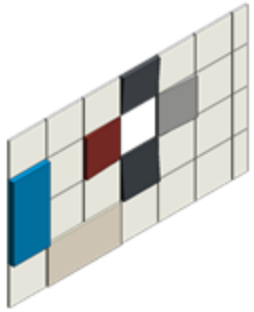
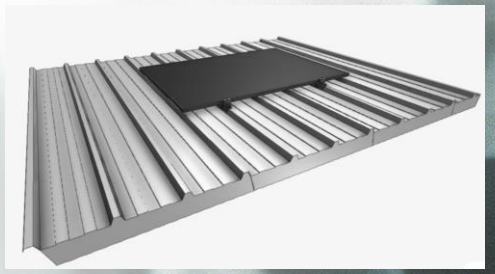
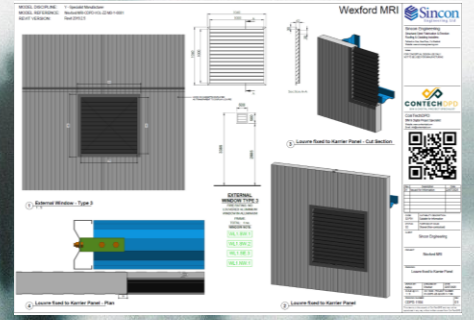
DPD-4

DIGITAL PROJECT DELIVERY

ISO 19650







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PARTNERSHIP WITH MARTECH3D

"We combine Martech3D's technology with our BIM expertise to deliver tailored digital solutions."

MARTECH 3D

Give your products the 3D assets they deserve

MARTECH3D® brings the technology,

ConTechDPD brings the knowledge.

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CONTECHDPD

CitA25 Driving Digital Construction for 25 years

WHAT IS THE MARTECH3D® SOLUTION?

Complex machinery

Technical Devices

Components

Specialist products

MAR TECH 3D

EVERYDAY SHAREABLE 3D ASSETS

Interactive 3D models

True-to-scale AR

Photorealistic renders

Product animations

ADVANCED 3D APPS

Virtual showrooms

3D product demos

Product configurators

Bespoke apps

PHYSICAL PRODUCT → 3D ASSETS → VIRTUAL SHOWROOM → FASTER SALES, BETTER ENGAGEMENT

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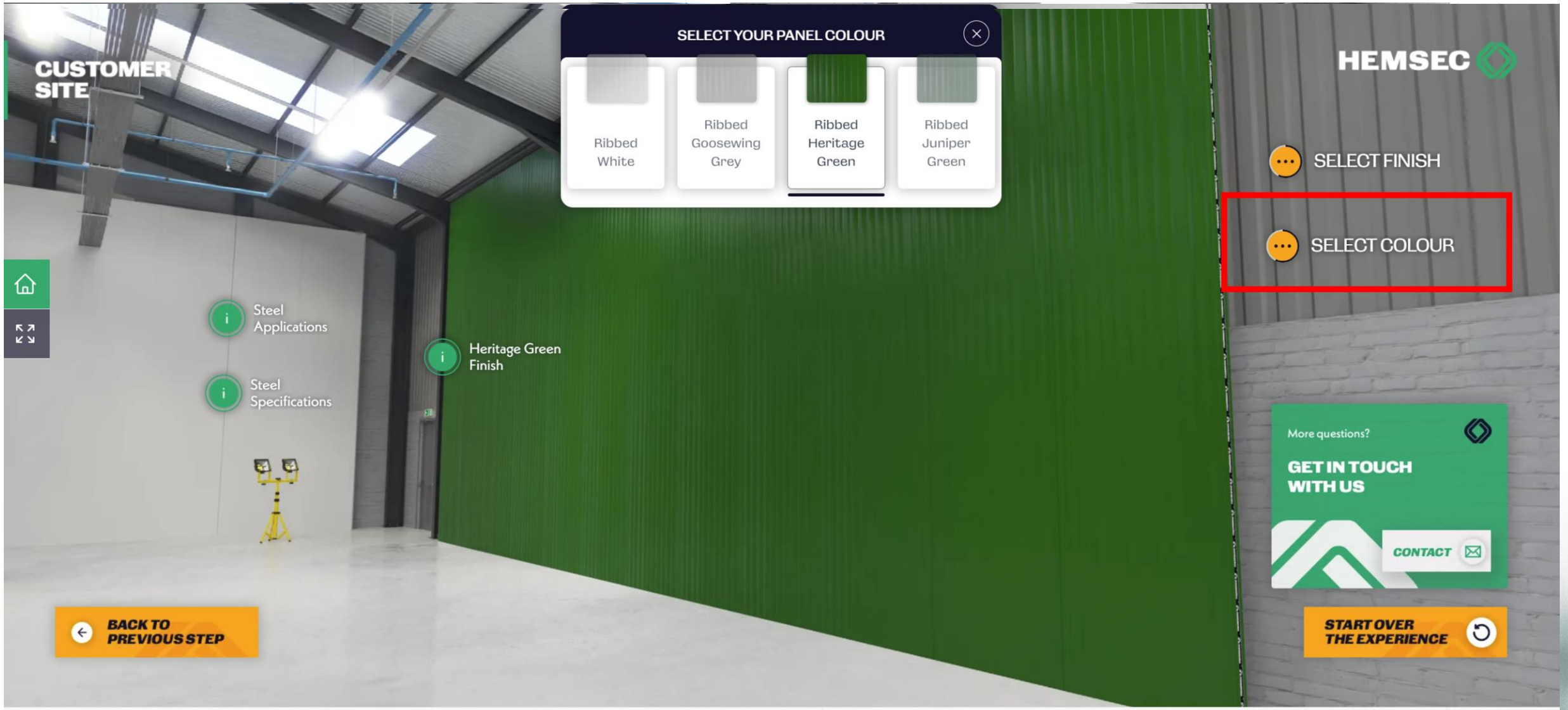
Practical BIM Adoption for SME Innovation



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Case Study: CME Electrical – Digital Project Delivery

Request:

Accurate 3D design models for tender submission.

Solution:

Converted PDFs into detailed Revit models with all electrical components modelled.

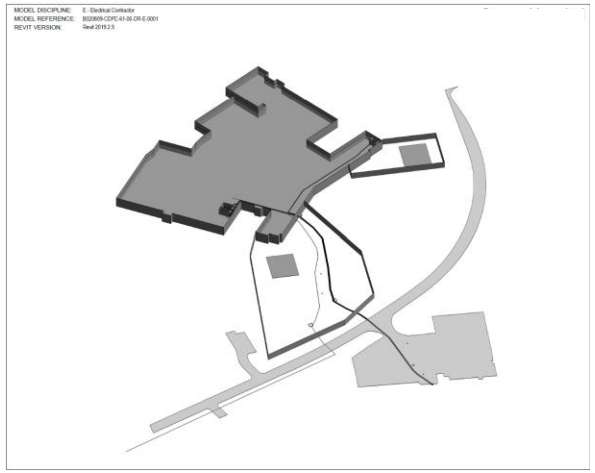
Outcome:

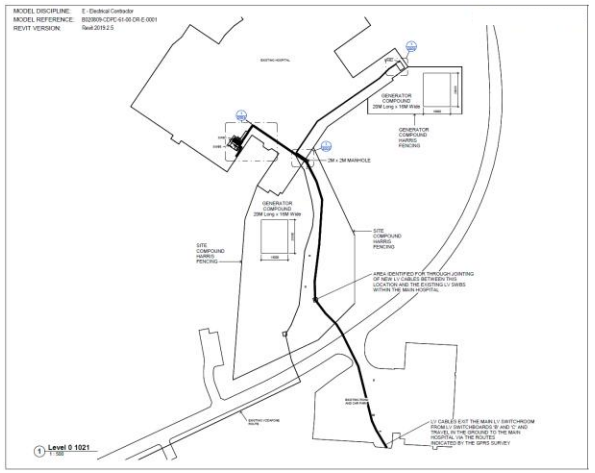
Delivered BIM-compliant tender package with BOM and deliverables linked to project plan.

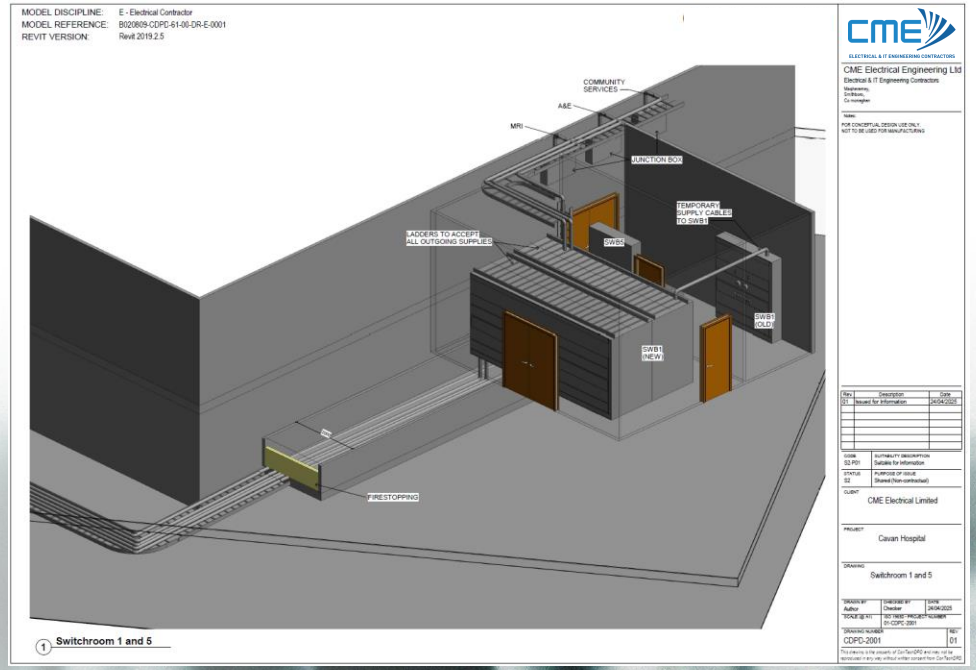
Result:

Project awarded.

ELECTRICAL & IT ENGINEERING CONTRACTORS







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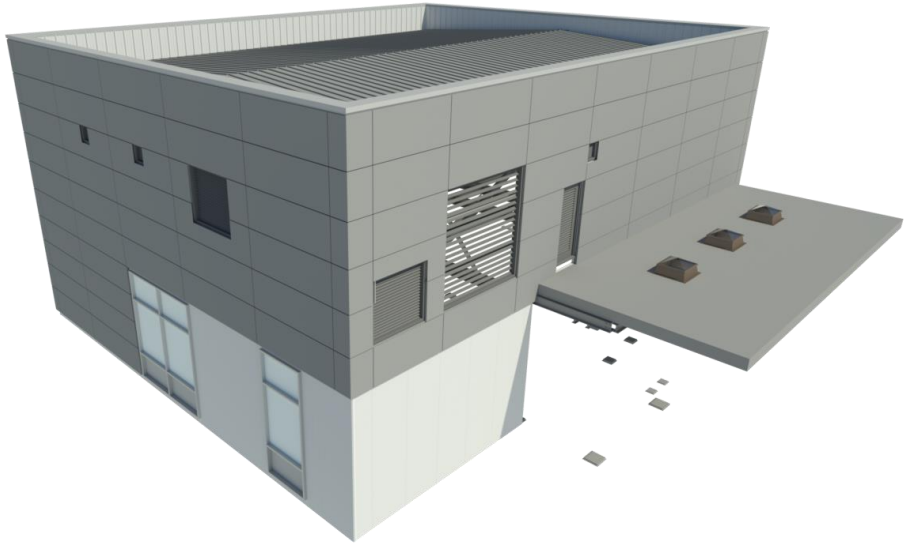
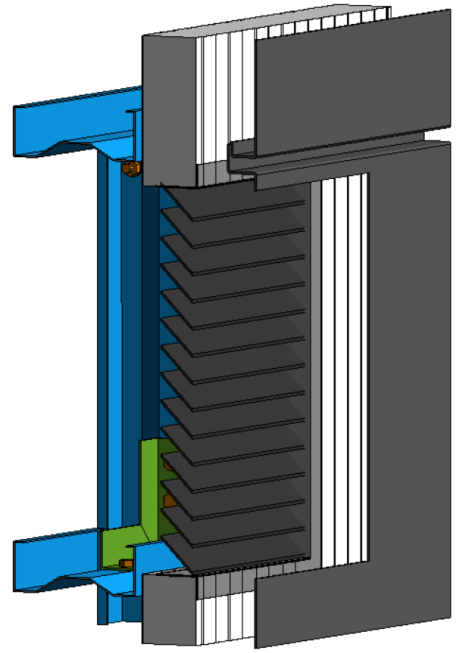
Case Study: Sincon Engineering – Digital Project Delivery





Request:

3D design model and BOM for Kingspan products.

Solution:

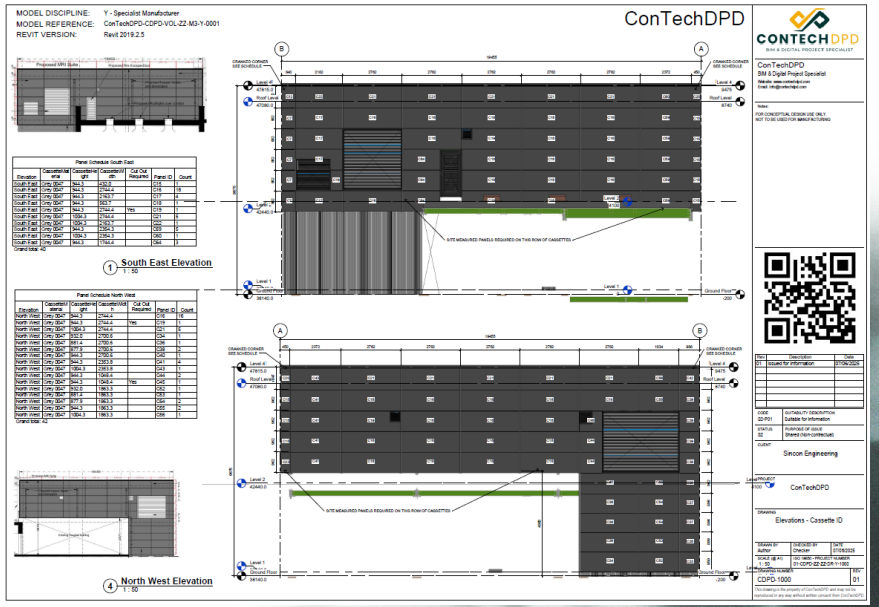
Created 3D components (Hook-On Cassette, Karrier Panel, RW Panels), quantified elements, identified panel types.

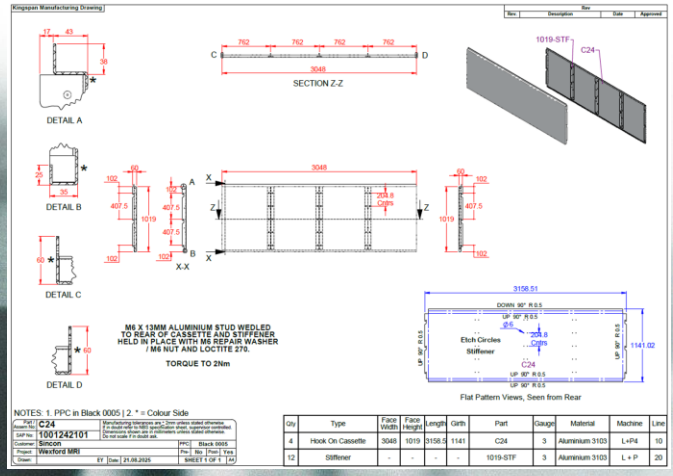
Outcome:

Accurate BIM model streamlined order processing.

Result:

Project currently on site.





Sincon Engineering Ltd

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Case Study: Cabins & Containers – Digital Project Delivery

Request:

Improve visualization and design accuracy during concept phase.

Solution:

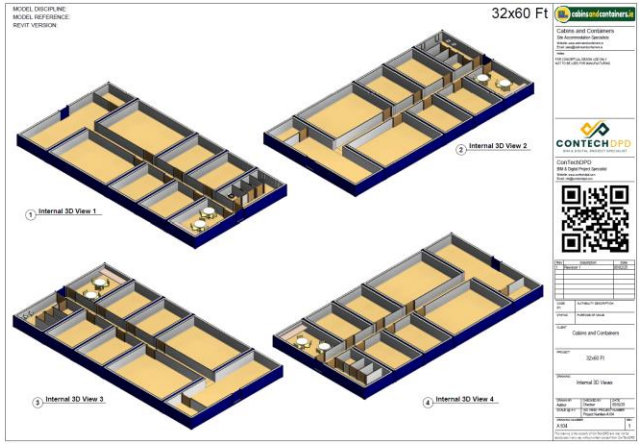
Implemented BIM with 3D design visualization and interactive layouts.

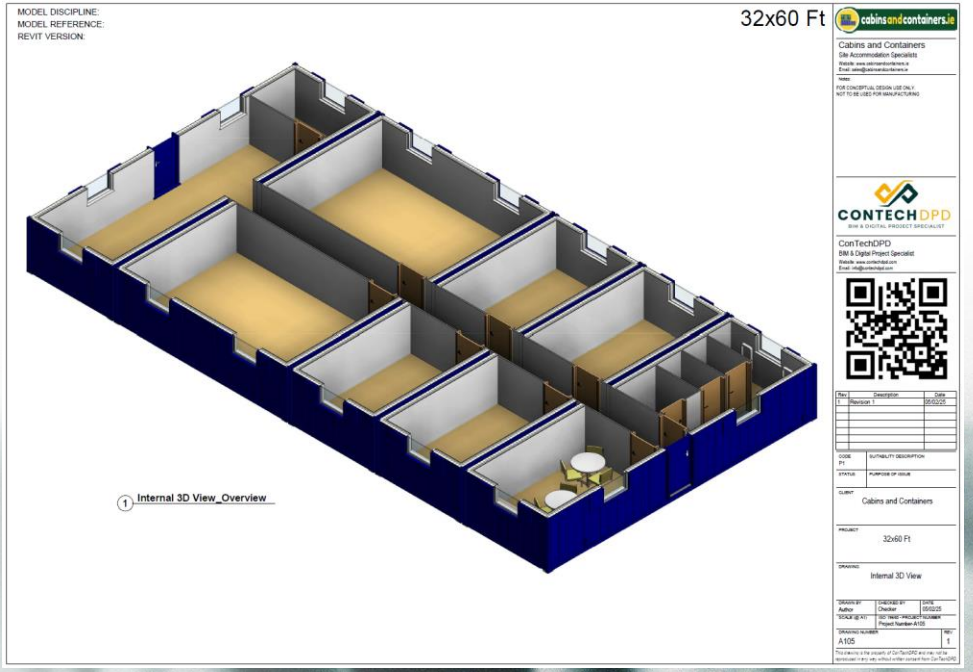
Outcome:

Enhanced client engagement, faster decisions, better planning.

Impact:

80% projects awarded because of BIM approach.





cabinsandcontainers.ie

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Case Study: Clad Pad

Integrated Digital Strategy

Objective:

Full-spectrum digital transformation for efficiency and engagement.

Solutions:

ISO 19650-aligned workflows

Revit content with multiple levels of detail

Interactive 3D showroom & BIM Bundle builder

3D design model integration & BOM generation. Potential of ERP integration.

Result:

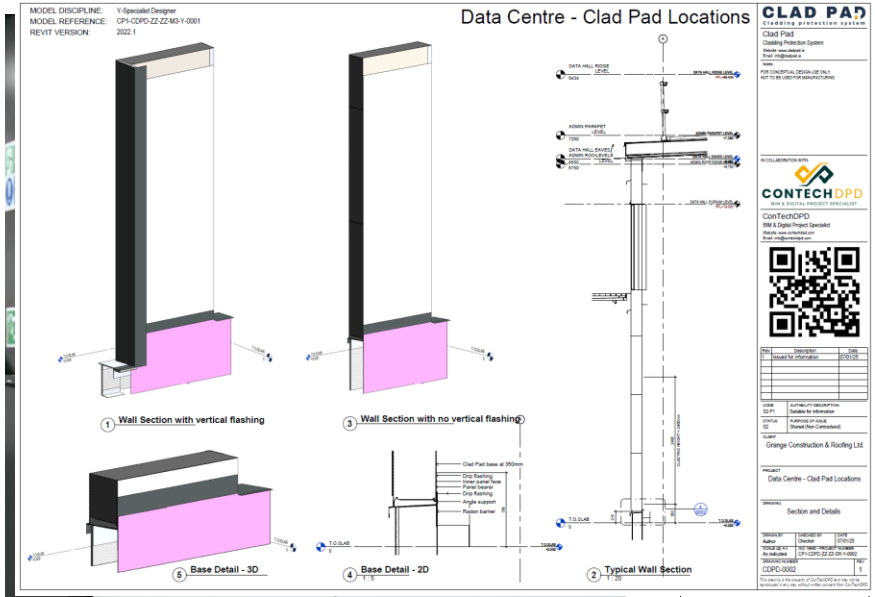
Showroom launching November 25.

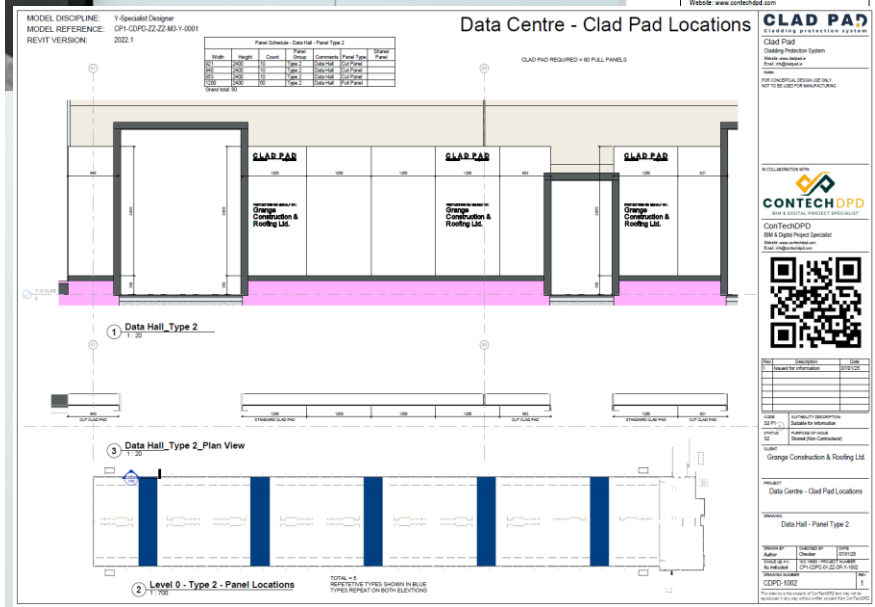
BIM content being utilised by clients.

Panel Schedule

Project Region	Panel Type	Panel Group	Width	Height	Count	Shared Panel
Admin Hall	Cut Panel	Gridline Y2	455	2400	1	Yes
Admin Hall	Cut Panel	Gridline Y2	667	2400	1	Yes
Admin Hall	Full Panel	Gridline Y2	482	2400	1	Yes
Admin Hall	Full Panel	Gridline Y2	626	2400	1	Yes
Admin Hall	Full Panel	Gridline Y2	707	2400	1	No
Admin Hall	Full Panel	Gridline Y2	887	2400	1	
Admin Hall	Full Panel	Gridline Y2	1097	2400	1	
Admin Hall	Full Panel	Gridline Y2	1200	2400	31	
Admin Hall	Cut Panel	Gridline Y6	349	2400	1	Yes
Admin Hall	Cut Panel	Gridline Y6	377	2400	1	Yes
Admin Hall	Cut Panel	Gridline Y6	541	2400	1	Yes
Admin Hall	Cut Panel	Gridline Y6	574	2400	1	Yes
Admin Hall	Cut Panel	Gridline Y6	902	2400	1	Yes
Admin Hall	Full Panel	Gridline Y6	114	2400	1	Yes
Admin Hall	Full Panel	Gridline Y6	1200	2400	43	
Admin Hall	Cut Panel	Gridline YA	735	2400	1	
Admin Hall	Cut Panel	Gridline YA	777	2400	1	
Admin Hall	Full Panel	Gridline YA	1019	2400	1	
Admin Hall	Full Panel	Gridline YA	1200	2400	7	
Admin Hall	Cut Panel	Gridline YD	1087	2400	1	
Admin Hall	Full Panel	Gridline YD	1200	2400	4	
Data Hall	Cut Panel	Gridline 01	377	2400	1	Yes
Data Hall	Cut Panel	Gridline 01	541	2400	1	Yes
Data Hall	Cut Panel	Gridline 01	943	2400	1	
Data Hall	Cut Panel	Gridline 01	1112	2400	1	
Data Hall	Full Panel	Gridline 01	1200	2400	42	
Data Hall	Cut Panel	Gridline 55	79	2400	1	Yes
Data Hall	Cut Panel	Gridline 55	172	2400	1	Yes
Data Hall	Cut Panel	Gridline 55	174	2400	1	Yes
Data Hall	Full Panel	Gridline 55	80	2400	1	Yes
Data Hall	Full Panel	Gridline 55	1200	2400	44	
Data Hall	Cut Panel	Gridline A	280	2400	1	Yes
Data Hall	Cut Panel	Gridline A	920	2400	1	Yes
Data Hall	Full Panel	Gridline A	813	2400	1	
Data Hall	Cut Panel	Gridline F	280	2400	1	Yes
Data Hall	Cut Panel	Gridline F	920	2400	1	Yes
Data Hall	Full Panel	Gridline F	819	2400	1	
Data Hall	Cut Panel	Type 1	260	2400	70	Yes
Data Hall	Cut Panel	Type 1	940	2400	70	Yes
Data Hall	Cut Panel	Type 2	921	2400	10	
Data Hall	Cut Panel	Type 2	940	2400	10	
Data Hall	Cut Panel	Type 2	953	2400	10	
Data Hall	Full Panel	Type 2	1200	2400	50	
Data Hall	Cut Panel	Type 3	280	2400	8	Yes
Data Hall	Cut Panel	Type 3	640	2400	8	Yes
Data Hall	Full Panel	Type 3	1200	2400	8	

Grand total: 446





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Thank you

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