



CASE STUDY:

Building Information Modelling (BIM)

An in-depth overview and how Metpro can help with your requirements

metpro

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IN ALL THAT WE DO.

WHAT IS BIM?

Building Information Modelling or BIM is the term used to describe the collaborative creation and management of digital information specific to a built asset ie a building or a bridge.

Using specific digital files ranging from basic 2D CAD drawings up to 3D models with 6D features; designers, architects, specifiers, contractors and management companies are able to see exactly which products and materials a project requires or currently has installed, significantly streamlining the design & construction phases as well as improving the ongoing maintenance operations into the future.

Global Leaders

With BIM an essential part of all UK public sector projects since 2016, the UK is leading the way with BIM

BIM Is Green

Used efficiently, BIM can reduce project times meaning lower energy use and much less product waste

First Time Fitting

Utilising product models during the design phase allows for much more accurate procurement

BIM MATURITY: LEVELS 0 TO 3 EXPLAINED

BIM maturity levels are used to determine how able the construction supply chain is to exchange information. Beginning with Level 0 and currently now looking to reach Level 3, each step up in BIM maturity requires even greater collaboration.

What's involved at each BIM Level:

LEVEL 0 LOW/NO COLLABORATION

CAD (Computer Aided Design) files are the only digital information utilised.

Paper prints shared with the wider team.

LEVEL 1 PARTIAL COLLABORATION

Level 1 sees 2D drafts for approval documents and 3D CAD imagery for concept work combined and held in a Common Data Environment (CDE) which is typically managed by the Contractor.

CAD Standards are managed here to BS 1192:2007.

LEVEL 2 FULL COLLABORATION

Building from Level 1, BIM Level 2 introduces both Time Management and Budget Calculations to the Common Data Environment (CDE).

3D files now also feature technical information such as manufacturer and material specifications.

Collaboration between all parties is greatly enhanced.

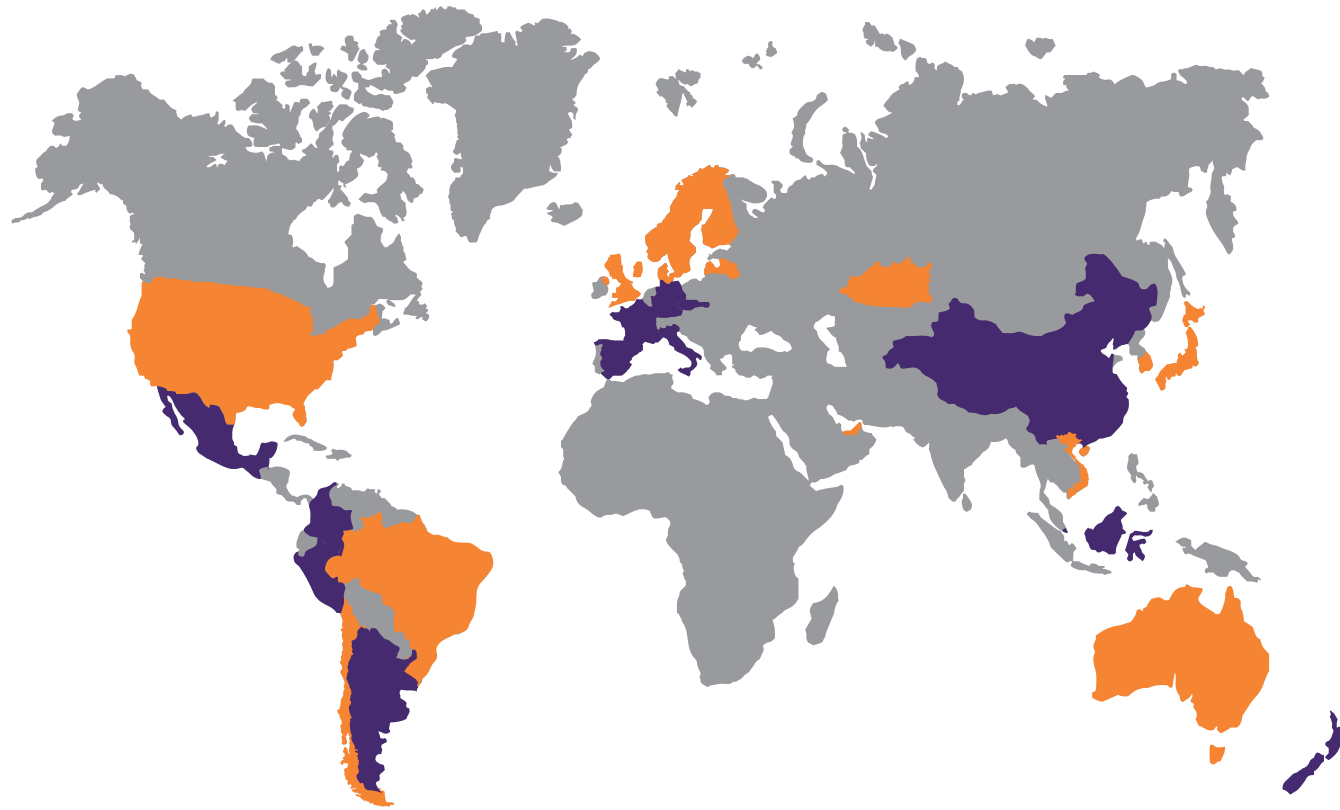
LEVEL 3 FULL INTEGRATION

Still being developed and the current goal for the future of BIM, Level 3 will see full collaboration between all parties in real time.

Intended to be 100% cloud-based, this highest level would also include Asset Life Cycle Management (6D) once the construction phase has been completed.

This level is still being defined and is not likely to be introduced for some time.

GLOBAL ADOPTION OF BIM



EXISTING BIM ADOPTION

UNITED KINGDOM	BRAZIL
DENMARK	CHILE
NORWAY	LATVIA
FINLAND	UAE
UNITED STATES	KAZAKHSTAN
JAPAN	VIETNAM
SOUTH KOREA	AUSTRALIA

PLANNED BIM ADOPTION

MEXICO	SPAIN
COLOMBIA	GERMANY
PERU	CZECH REPUBLIC
URUGUAY	CHINA
ARGENTINA	SINGAPORE
FRANCE	NEW ZEALAND
ITALY	INDONESIA

HOW METPRO CAN HELP

Understanding early on that BIM was going to play a major role in the future of construction across the globe, at Metpro we decided to take the initiative and ensure that our products were BIM ready as early as 2014.

Now operating in line with BIM Level 2, we are able to offer the necessary Revit® files for our full standard product portfolio.

If you would like to discuss your BIM requirements or would like to receive any of our Revit® files for your project, our team would be happy to help.

Contact us using the following information:

Email us: sales@metpro.co.uk

Call us: **0121 552 2100**

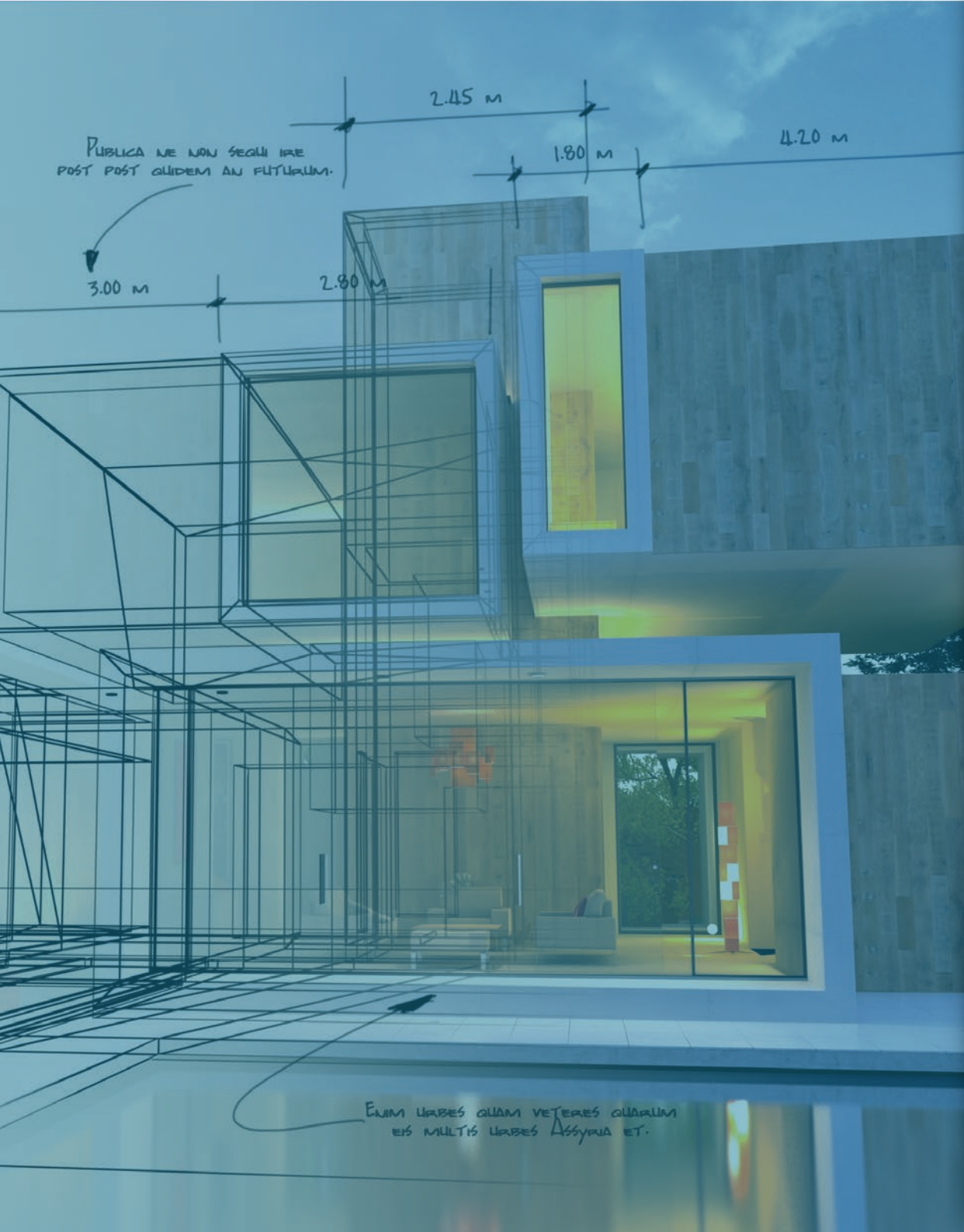


Many of our customers are in the public sector and BIM models are essential.

Having these files readily available from Metpro has made things so much easier. They're accurate and can be received within minutes of our request.



*Metpro Stockist,
West Midlands*



GET IN TOUCH

If you'd like to find out more about BIM or to discuss your requirements, please contact us using any of the methods below:

Call us:

0121 552 2100

Email us:

sales@metpro.co.uk

Visit us:

metpro.co.uk

Follow us (LinkedIn):

Search: Metpro



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