

BIM FOR TRAFFIC

FOR FREE BIM COMPLIANT SOFTWARE DOWNLOADS
ALONG WITH A DOWNLOADABLE GUIDE, CHECKLIST AND
JARGON BUSTER, VISIT:
[KEYSOFTSOLUTIONS.COM/RESOURCES/BIM](https://keysoftsolutions.com/resources/bim)

Technical specification - Level 2 compliance requires a minimum of 2D AutoCAD, with where appropriate, managed 3D data that can be held in separate BIM models with the data attached but brought together into a single federated model to support the decision making process.

T: +44 (0) 3451 30 30 40

W: keysoftsolutions.com



FUTURE • FASTER

BIM FOR TRAFFIC



BUILDING INFORMATION MODELLING (BIM) CAN BE USED WITHIN THE HIGHWAYS AND TRANSPORT SECTOR

THE BIM CHALLENGES FACING
THE HIGHWAYS AND TRANSPORT SECTOR

HOW CAN THESE CHALLENGES BE
OVERCOME?

BIM REQUIREMENTS CAN BE DELIVERED
WITH VERY LITTLE CHANGE

FUTURE • FASTER

BIM

FOR TRAFFIC



CHALLENGE

WHAT ARE THE BIM CHALLENGES FACING THE HIGHWAYS AND TRANSPORT SECTOR?

The UK Government has mandated that all centrally funded construction projects must be BIM level 2 compliant by 2016.

The biggest concern seems to be confusion over the extent to which BIM will be needed, which projects will require it and how much involvement and investment will be required.

Other challenges include:

- Security - ensuring data remains both available and secure
- Training - is any training needed?
- Software - are there any specific hardware or software requirements?
- Skills Shortage - are the skills required to deliver BIM compliance available within the Highways sector?
- Investment - is BIM affordable?
- Compliance - what are the minimum requirements for compliance?

SOLUTION

WE NEED TO STOP THINKING ABOUT BIM AS A 'ONE SIZE FITS ALL' AS BIM IS A BUSINESS PROCESS, A WAY OF WORKING.

STAGES OF THE JOURNEY

Everyone in the Highways sector is at very different stages of the BIM journey, those working on large infrastructure projects are likely to be further along than smaller organisations. If you are at the start of the journey, it is important to know that most highways and transport engineers already work at BIM level 1, so with a few changes and little expenditure level 2 can be achieved.

WHAT IS LEVEL 2 ABOUT?

Level 2 is simply about sharing information better during the project modelling stages and ironing out the glitches in a virtual world before starting on site.

START AT THE END

Work out if, and why as an organisation you need to do BIM and what you want to achieve in by working in this way.

TALK TO YOUR CLIENTS

Find out whether you need to be BIM Level 2 compliant in order to work with your clients from 2016.

DON'T PANIC BUY SOFTWARE

The solution to achieving BIM does not lie in buying expensive new software and hardware. BIM is a process, and one piece of software does not make you BIM compliant.

ASK MORE QUESTIONS

Every project is different so ask each client what they mean by BIM and find out what information you need to provide and in what format. You can never ask too many questions.

SECURITY

There are secure storage services which are free, such as Dropbox but depending on the project and sensitivity of the data you may have no choice but to invest in more secure systems.

ASSESS YOUR SKILLS

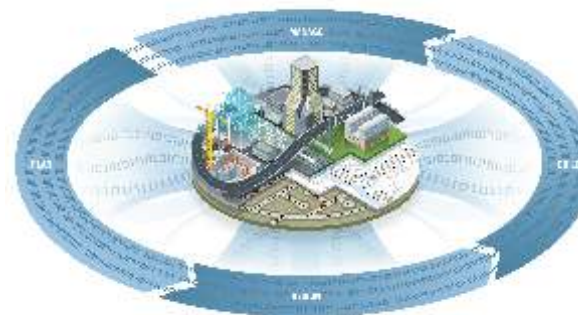
Assess the BIM requirements against the skills of your own team and see if it can be delivered. If not, can you outsource or train? The industry skills shortage does not have to be a barrier.

INVESTMENT

The level of investment is up to you to decide based on possible returns and future opportunities.



BIM CITY INFRASTRUCTURE



PLAN. DESIGN. BUILD. MANAGE



BIM ROAD DESIGN VISUALISATION

RESULT

BIM REQUIREMENTS CAN BE DELIVERED WITH VERY LITTLE CHANGE

Depending on the project, highways engineers may be able to deliver the BIM requirements with little change. The most important piece of advice in overcoming the BIM challenge is to talk to your clients and find out what they require, and how you'll need to provide it.

For free BIM compliant software downloads visit keysoftsolutions.com/free-product-trials



IF YOU ALREADY USE KEYSOFT SOLUTIONS SOFTWARE THE GOOD NEWS IS THAT IT'S ALREADY BIM LEVEL 2 COMPLIANT