

Bridging the Gap Between BIM and Survey

Andrej Mocicka (Australia)

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SUMMARY

Building Information Modelling (BIM) is a relatively new technology that was first floated in the mid 70's. This technology is now gaining momentum and has been successfully adopted in many building lifecycle projects around the world.

This presentation will broadly outline what is BIM and how, where, when and why BIM is used. Explaining how cost, time and project complexity are well recognised as being major components of a construction project, with accurate spatial location also being fundamental to BIM.

As the recognised spatial data professionals, the roles of surveyors in the BIM will be explained, detailing how surveyors work and interact with the various professions involved in the BIM lifecycle.

Surveyors need to work and interface with the various BIM systems using their highly specialised equipment, software and expertise. To this end, this presentation will also outline how this can be achieved using the latest geospatial solution offered by LISTECH NEO.

NEO seamlessly transfers information to and from GIS (ESRI, MapInfo), BIM (IFC/IFCzip), AutoCAD, MicroStation, Google Earth, Field Surveying Instruments, XML, LISCAD, plus many other systems, making NEO extremely versatile for working with and interfacing data between the field, office and customers.

Information collected in the field, or obtained by other systems can be reduced, enhanced,

manipulated or created using the many surveying computations functions of NEO. This information can then be seamlessly transferred to surveying field sensors for setout purposes such as: construction/building setout (BIM), land parcels (GIS) as well as transfer to other systems for many other purposes.

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