RESOURCE SHEET

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Building Information Modelling, or BIM is vital to the growth of the construction sector in New Zealand.

The New Zealand Institute of Surveyors (NZIS) is pleased with recent offshore initiatives gaining creditable traction but want to see similar developments urgently pushed forward in New Zealand.

BIM is a tool that improves quality, reduces risk and delivers significant costs savings in the construction and on-going management of buildings by better managing information relating to the construction process. This information can include aspects such as structural elements, cladding, electrical wiring, plumbing, computer cabling and air conditioning shafts. The ability to visualise all aspects of a building in a three dimensional model pre and post construction is a valuable part of the BIM process enabling better engagement with all stakeholders.

"BIM is an incredibly powerful tool for any profession involved in land development, construction and asset management" says Mark Allan, President of the NZ Institute of Surveyors.

"Not only does it provide a visual context for construction, but it also allows access to common spatially correct data for all stakeholders in construction projects - including design professionals, architects and engineers, developers and construction contractors and land surveyors, who are responsible for the setting out of the various construction elements of the project, surveying and measuring the as-built elements to update the BIM model and working with all of the design and construction team to ensure that the benefits of BIM are fully realised."

"We are already falling well behind countries like the UK that are leading the way with this technology and New Zealand needs to get on board urgently" says Mr. Allan. "The UK Government already requires that all publicly funded construction work must be undertaken using BIM Level 2.

The membership of NZIS includes land surveyors and spatial (location) specialists who already generate BIM data and are responsible for the standard and accuracy of the

information collected. The next critical challenge is to ensure that the data is accessible online and available to all parties involved in construction projects.

New Zealand needs to move forward or risk being left behind. There are important economic savings to be had by quickly implementing these systems and the Government needs to provide stronger leadership to ensure early adoption of BIM technology and the realisation of a digital built environment in New Zealand." says Mr. Allan.

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About Building Information Modelling (BIM)

Building Information Modelling (BIM) is a collaborative way of working, underpinned by the digital technologies which unlock more efficient methods of designing, delivering and maintaining physical built assets. BIM embeds key product and asset data in a 3D computer model that can be used for effective management of information throughout an assets lifecycle, from earliest concept through to operation. BIM has been described as a game-changing Information and Communications Technology (ICT) and cultural process for the construction sector.

Read more at:

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/410096/bis-15-155-digital-built-britain-level-3-strategy.pdf

https://en.wikipedia.org/wiki/Building_information_modeling

http://www.building.govt.nz/projects-and-consents/planning-a-successful-build/scope-and-design/bim-in-nz?url=/bim-in-nz

http://www.bimtaskgroup.org/bim-faqs/

About NZIS
New Zealand Institute of Surveyors (NZIS) is a not-for-profit organisation supporting surveyors and spatial professionals in New Zealand. The National Office is based in Wellington. Surveyors and spatial professionals are involved in all aspects of land development and data capture and presentation.

NZIS supports all facets of the surveying and spatial sectors in New Zealand including spatial information management, land (cadastral) surveying, engineering surveying, geodetic and positioning systems, land development and urban design and hydrographic surveying.
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