

FIG

FIG WORKING WEEK 2017

Helsinki Finland

29 May - 2 June 2017

Presented at the FIG Working Week 2017,
May 29 - June 2, 2017 in Helsinki, Finland

Too Detail to Survey!?

UAV, Photogrammetry and Remote Sensing for Construction Projects (paper ID 8688)

Surveying the world of tomorrow -
From digitalisation to augmented reality

Organised by



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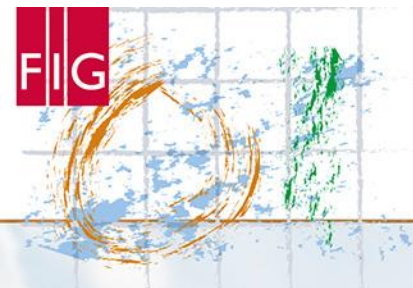


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Too Detail to Survey!?

UAV, Photogrammetry and Remote Sensing for Construction Projects

- **Mr. Lit-yin LAM, Hong Kong SAR, China**
- **Chairman of The Hong Kong Institution of Engineering Surveyors (HKIES), Member of FIG.**
- **General Manager of D-Reality Consultancy Limited**
- To implement remote sensing technology to construction projects in order to accelerate the pace of land and engineering surveying and enrich the whole surveying field.



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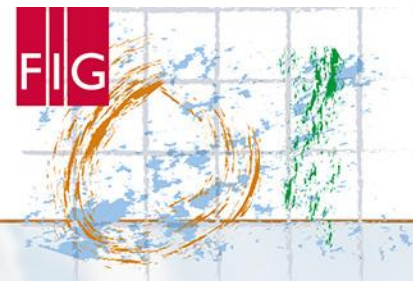


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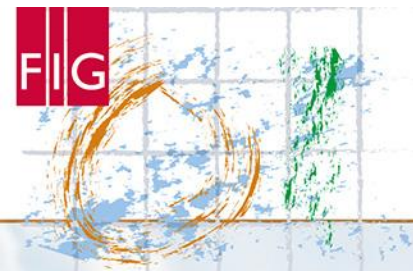


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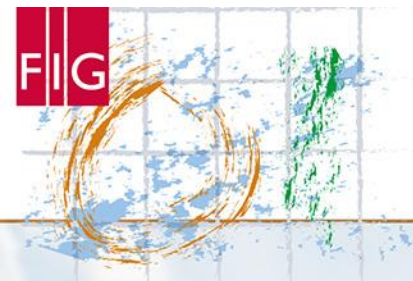


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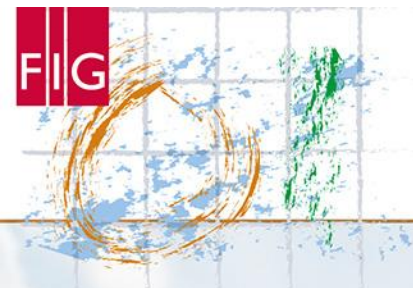


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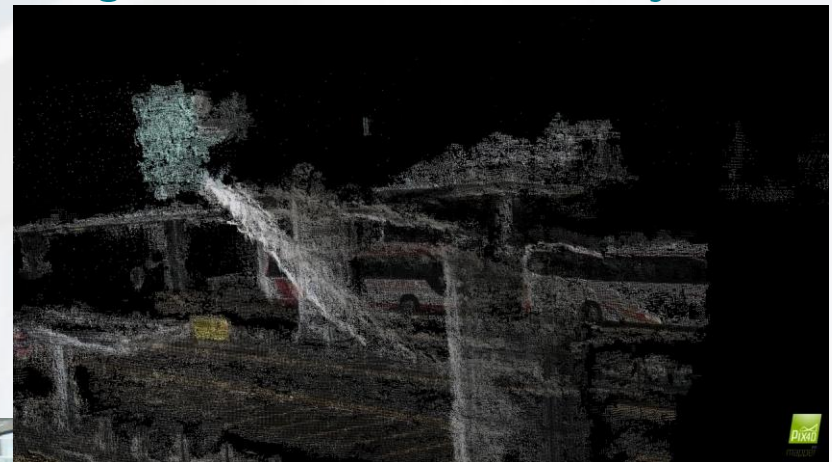
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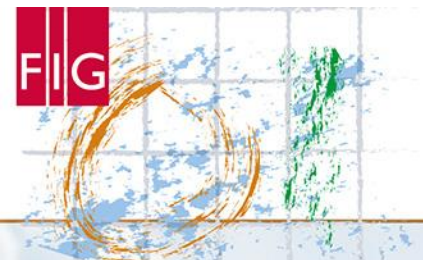
UAV, Photogrammetry and Remote Sensing for Construction Projects

- Up to 90% surveying cost has been saved.
- Multipurpose of survey result / 3D model
- Spatial technology and application for others, like BIM.
- Especially cost effective at pre-tender and initial construction stage.



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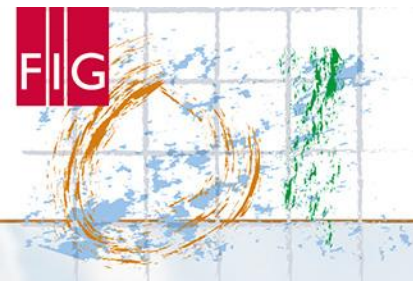


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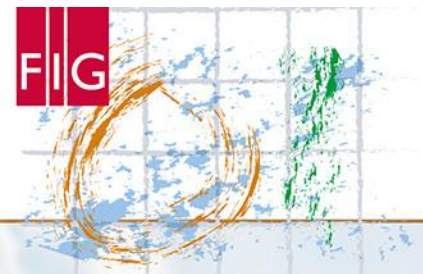
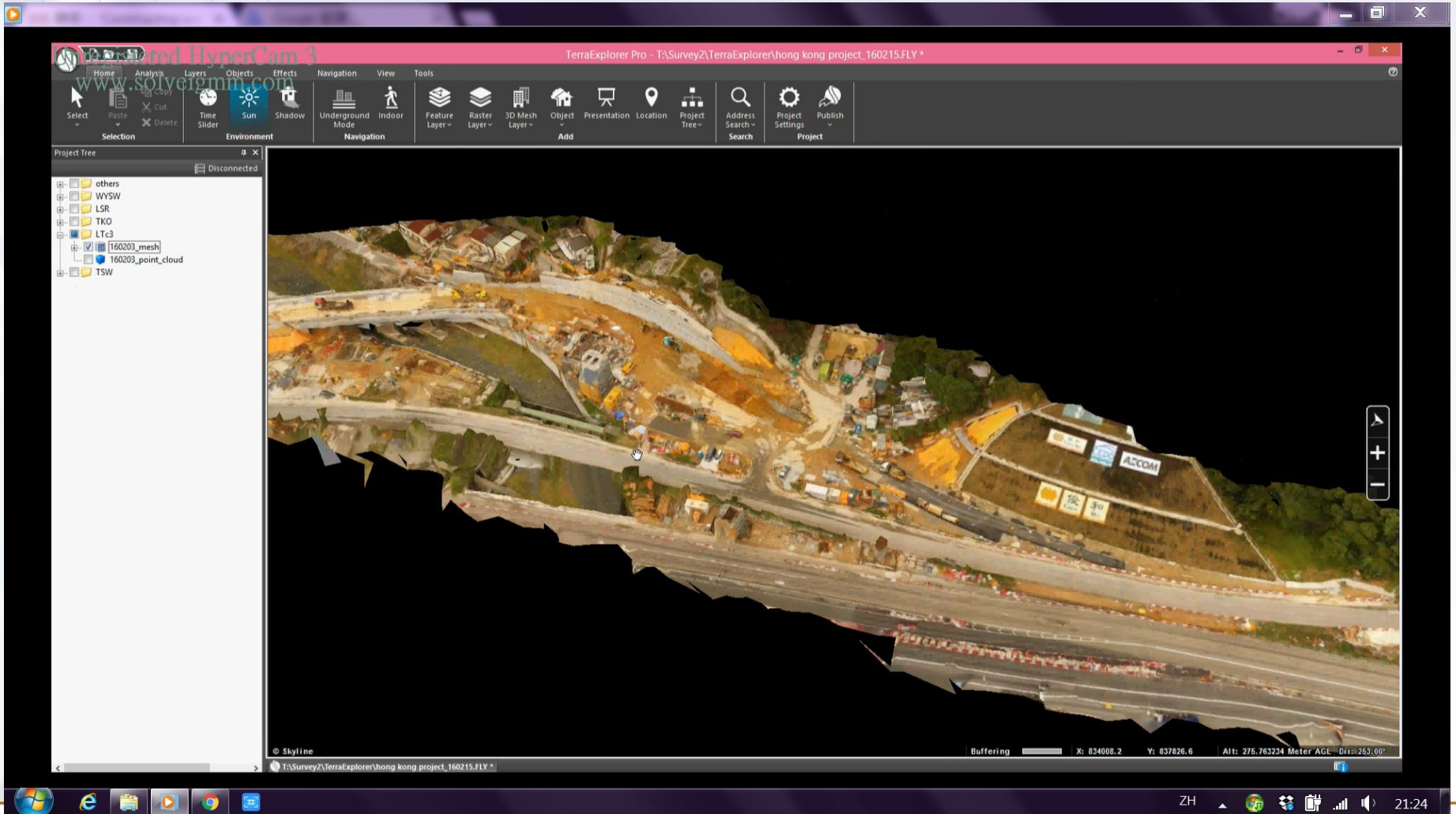


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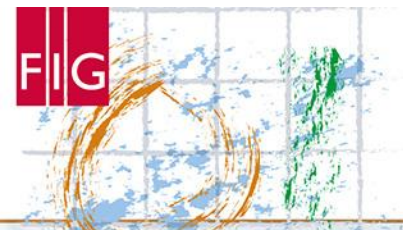
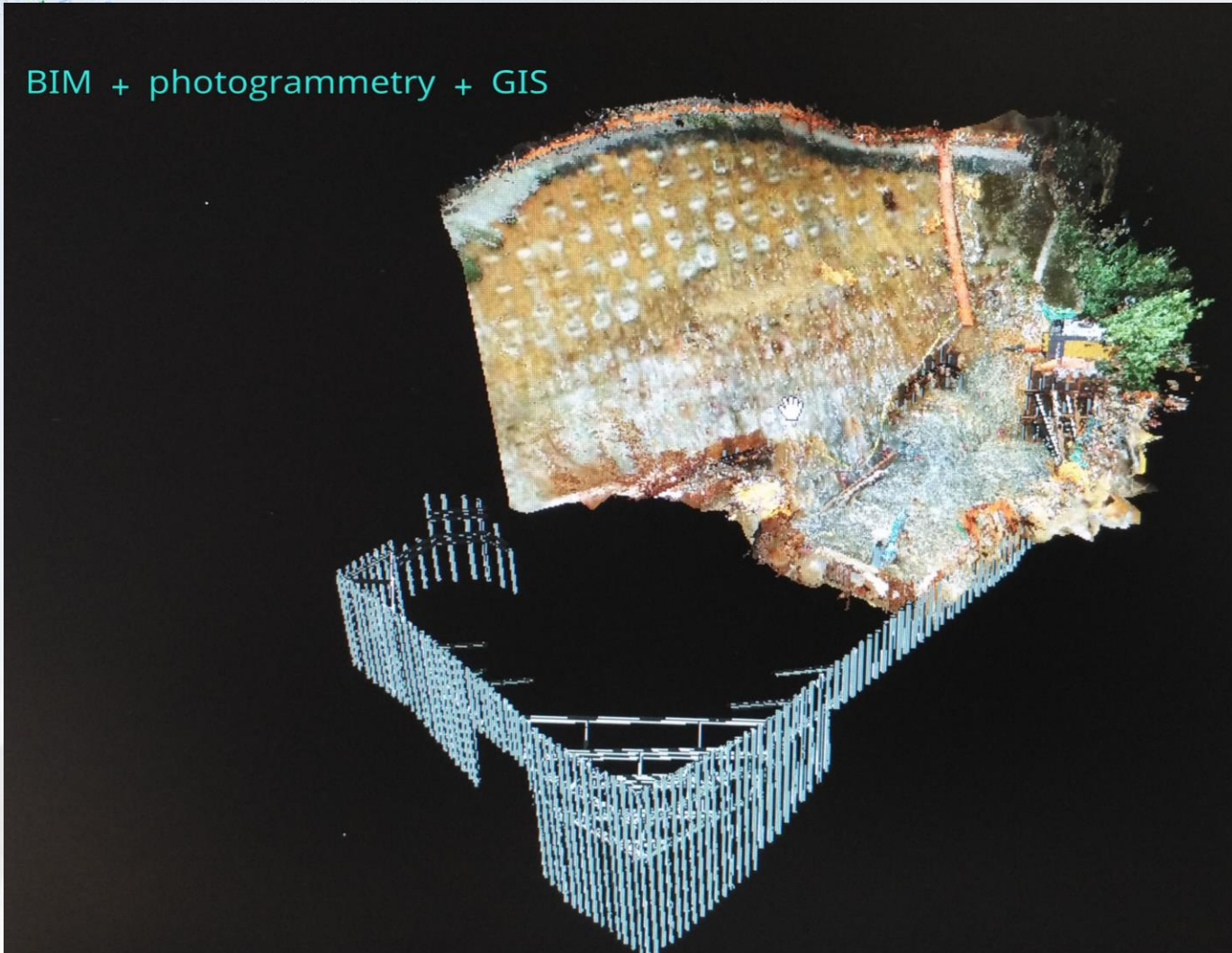


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BIM + photogrammetry + GIS



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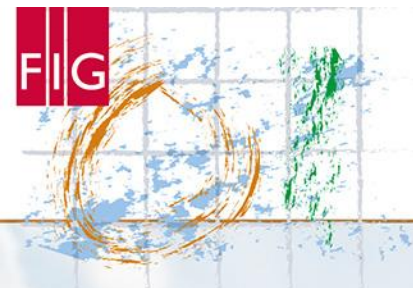
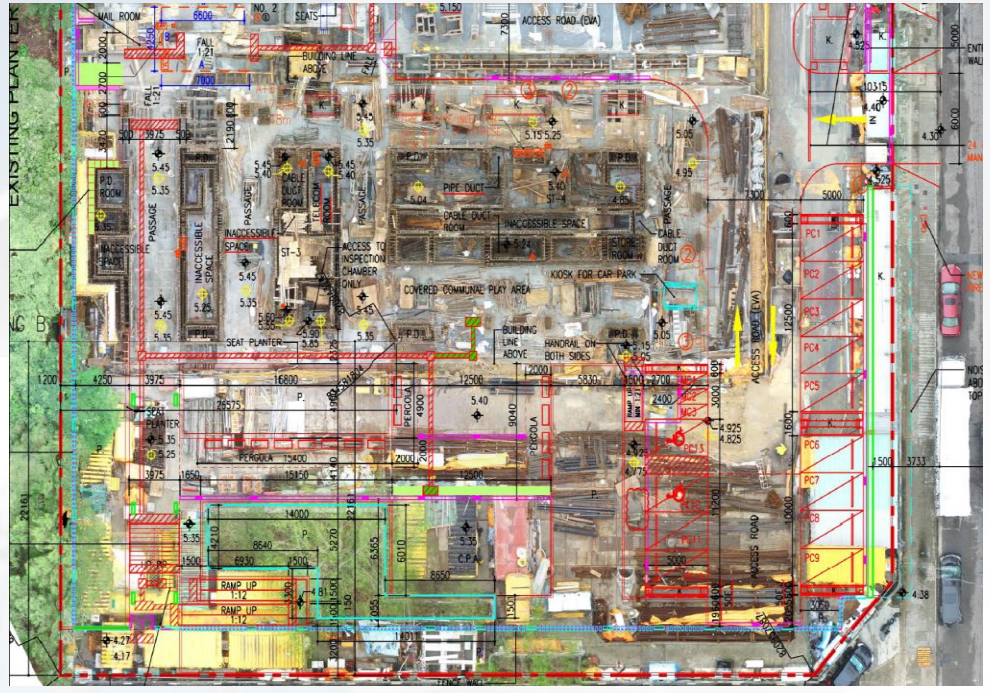


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Detail vs too detail!?



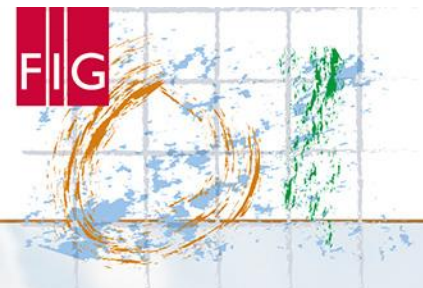
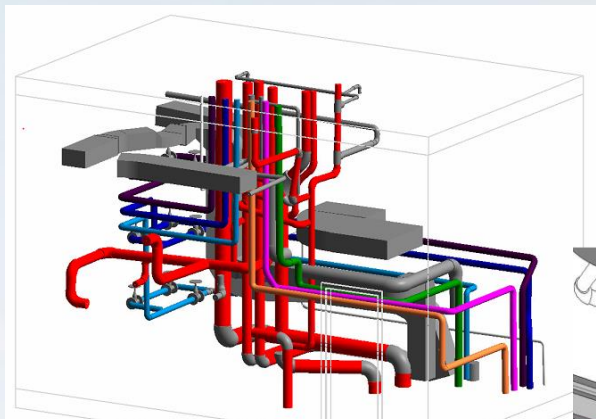
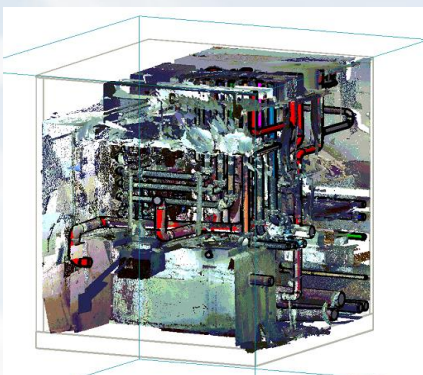


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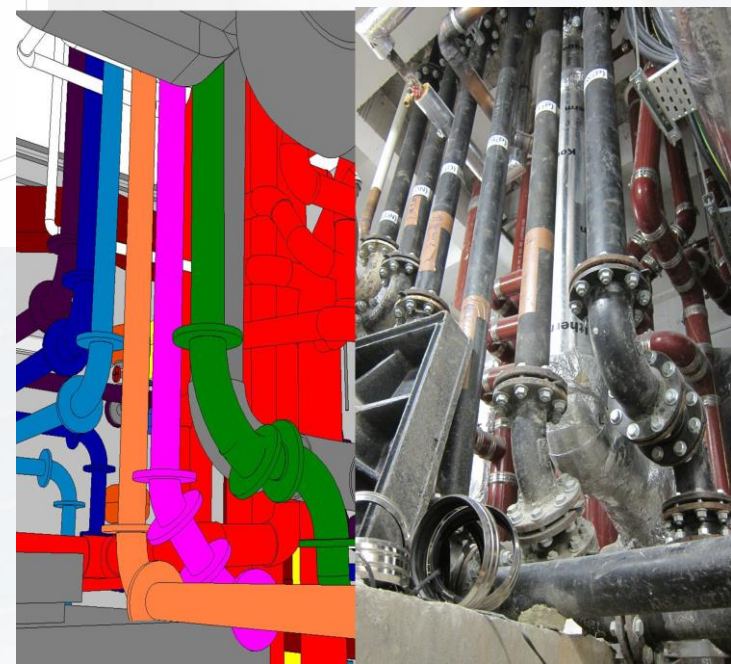
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> 90% true as-built survey record!!



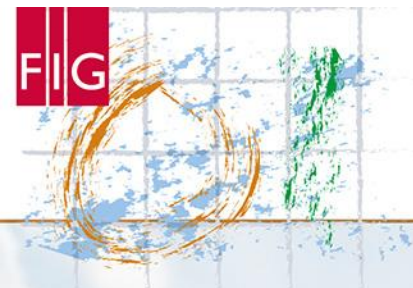
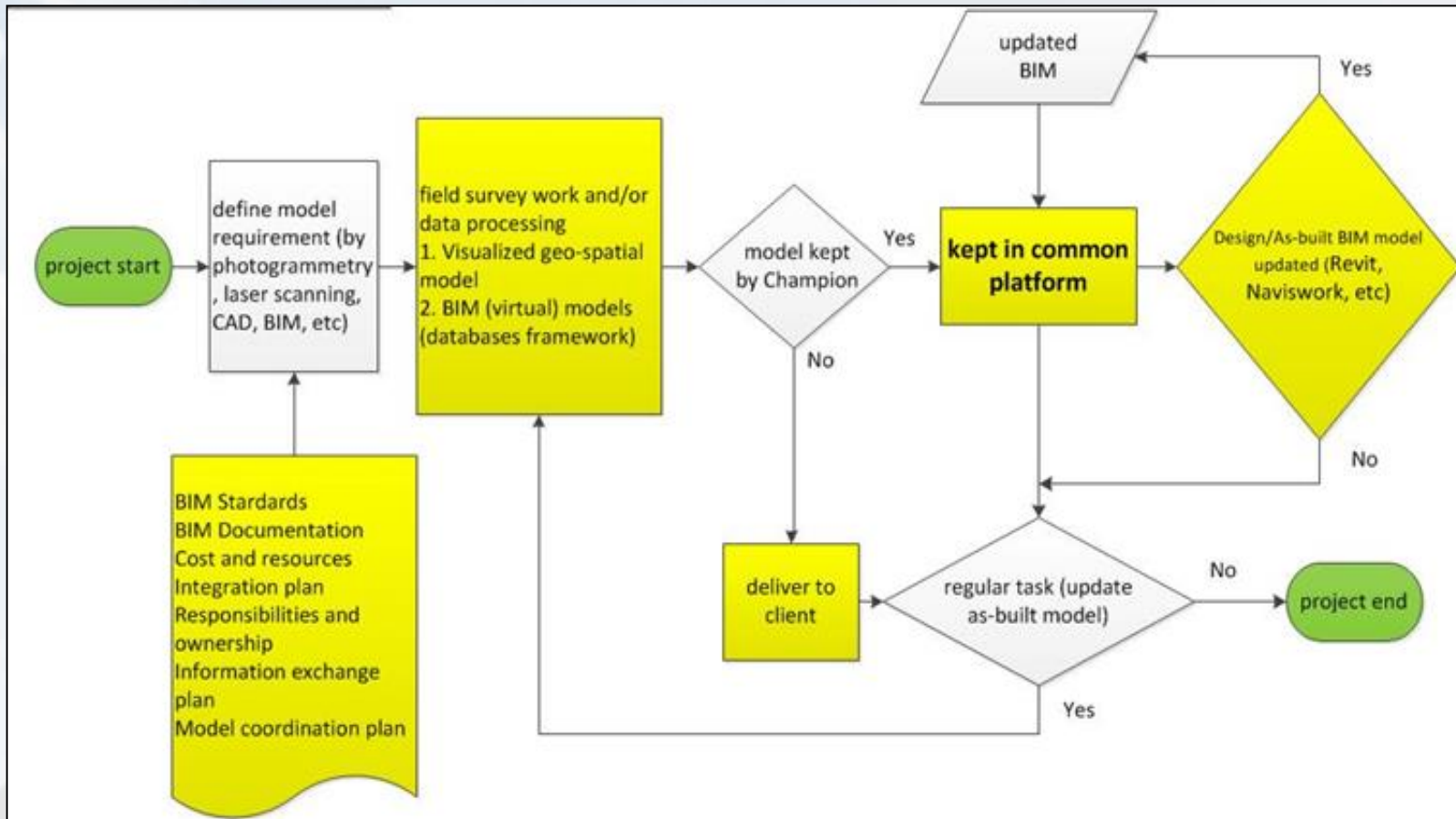


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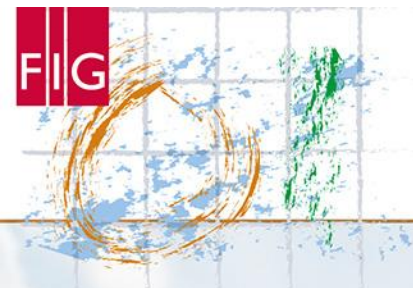


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Too Detail to Survey!?

UAV, Photogrammetry and Remote Sensing for Construction Projects

Find the best spatial solution for project!



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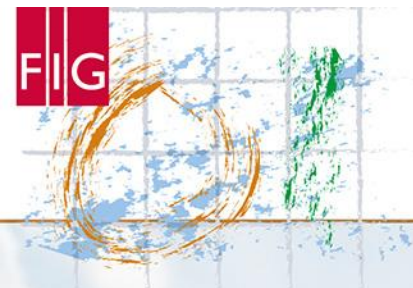


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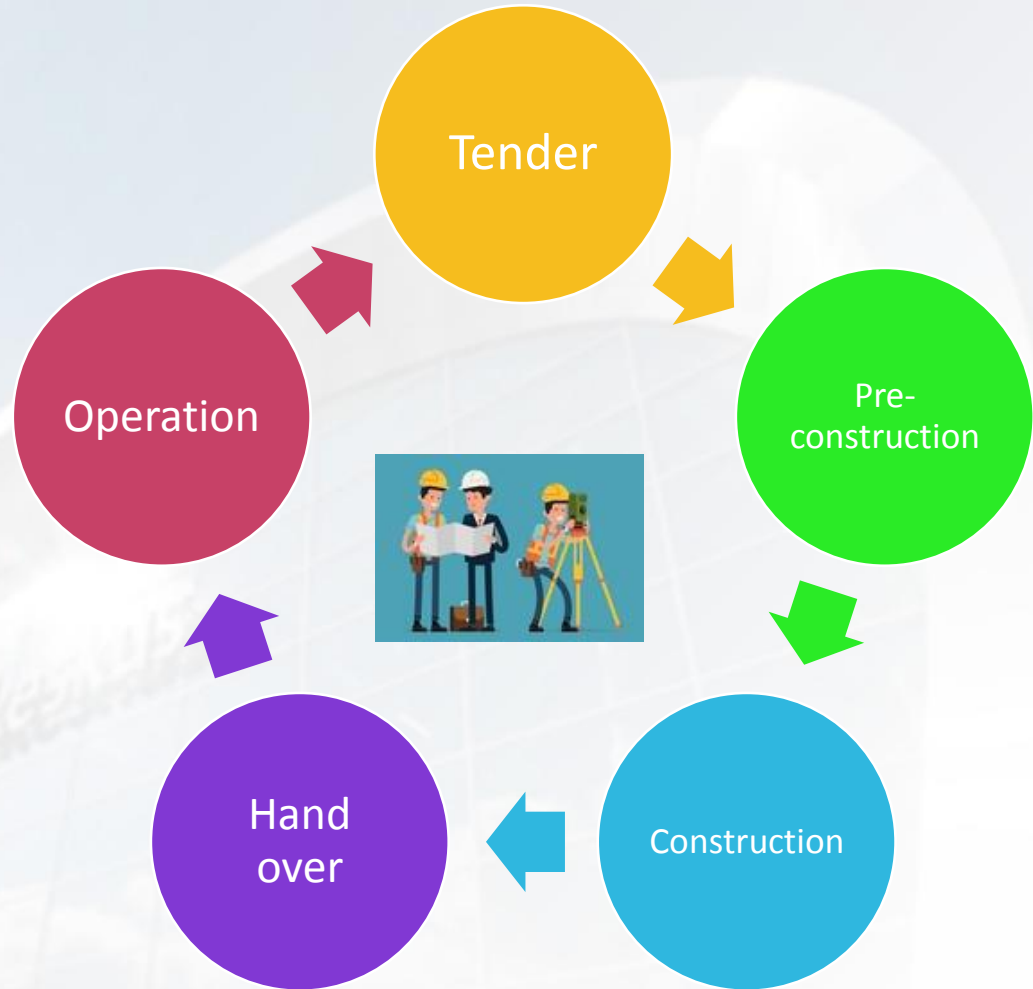
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**My ideal
journey /
project**

**Role of
surveyor
in new
workflow!**



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