CONFERENCE OVERVIEW

**GEOBIM 2019**, bearing the theme, ‘Digital Engineering Driving Innovations’, was successfully held in Amsterdam on the 11-12 November 2019. The conference initiated dialogues across the Architecture, Engineering and Construction community, research and academia, the Building Information Modelling (BIM) and the geospatial community for utilizing integrated solutions, i.e. spatial technologies and BIM and duly augmented by digital technologies (Internet of Things, Cloud, Augmented Reality/Virtual Reality, Big Data Analytics) etc., to intelligently and efficiently model construction projects.

The conference summarized the need for the confluence of geospatial and BIM across the built asset lifecycle, application of IoT, indications on rapidly accelerating investments in Construction Technology (ConTech), critical element of a digital twin, similarities and differences between IFC, CityGML, LandInfra; application of drone technologies, and benefits stemmed from incorporating reality capture information with BIM and geospatial data in the construction lifecycle.

The conference brought together all the relevant stakeholders who are utilizing integrated geospatial and BIM solutions to capture, process, integrate, and craft BIM data in a digitized environment to renovate the old and construct the new. GEOBIM, in summary, highlighted the enormous possibilities and opportunities of the digital engineering solutions and the solutions which stem from it to enable the AEC industry to be future ready.
GEOBIM IN NUMBERS

160+ Delegates

100+ Organizations

70+ Speakers

26+ Countries

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INTERACTIVE SESSIONS

Panel Discussions

- Construction 4.0: Digitalization of the Built Environment
- Affordances of Digital Twin
- GEOBIM Integration: Future of Digital Engineering
- Monetizing Investments in GEOBIM
- BIM – Day (BIM use across Construction Workflow)
- Going Digital in Ports
- Smart Connectivity in Digital Cities
- Digital Construction moving Beyond BIM to CIM
- 3D Printing in the GEOBIM Enabled Workflow
- Improving GEOBIM Workflows via Drones

Roundtable Discussions

- Digital Mapping of Underground Utility Infrastructure
- Integrated Digital Built Environment

ATTENTIVE AUDIENCE

HIGH-LEVEL NETWORKING & EXHIBITION

INSIGHTFUL CONVERSATIONS

INTERACTIVE SESSIONS

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ATTENTIVE AUDIENCE

HIGH-LEVEL NETWORKING & EXHIBITION
• Strategic investments are being made on making geospatial information usable in the field of vast civil projects with high return on investment.

• The potential impact on operations in the field is nothing sort of transformational. The expanded set of GEOBIM bespoke solutions provides return on investment in the form of reduced waste (material and labor), increased safety and improved quality.

• The rapidly accelerating technology investment in the construction space, has doubled over the last few years – resulting in a spend of US$18 Billion in the 2013-2018 period as compared to the US$9 Billion in the 2007—2013.

• Reality Capture, Drone application and Unmanned Airborne System (UAS) technologies have provided maximum benefit to the larger construction firms.

• Clear contractual and structure spatial data and information delivery is crucial to good GEOBIM integration and going to the next level – Digital Twins.

• One of the best practices for a safe excavation project is to map the underground in the design phase of a project. Using new mapping and imaging technologies contractors can document the positive response to the one call and the existing site conditions prior to excavation.

“I enjoyed the conference very much. I attended the sessions on BIM – BIM 4 Engineering, BIM 4 Construction, BIM 4 Asset Management – it was very interesting to hear the different stories and I was very overwhelmed by how far the industry has gone in this field.”

NIELS REYNGOUD
Province Gelderland
The Netherlands

“I liked the show primarily because of the education factor on what is happening around GEOBIM and how the interactions between the BIM environment is translating over into the Geospatial environment – I liked the fact that there was an emphasis on underground infrastructure, a topic most often ignored.”

MICHAEL TWOHIG
DGT Associates
USA

“I think GEOBIM was a great conference, incredible opportunities, incredible topics and a really diverse group of people to really stir the pot for the construction industry and what we can get to real actionable change in the industry.”

TONY SABAT
SSOE Group
USA
**SOCIAL BUZZ!**

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**Kyle Tan** • 1st
CEO, Co-Founder at Airsquire | Hiring AEC geeks
1mo • •

Airsquare is proud to be awarded at #geobim2019 as the most promising startup in #AEC industry. Thank you GEOBIM organizing committee for seeing our potential and inviting us to this insightful event. We saw how leading AEC companies like Heijmans and Ballast Nedam are combining #geospatial and #bim technologies in their workflows for efficiency and to reduce failure costs. Thank you Paulus Eckhardt for inviting us to speak at your #BIM2FIELD panel and Tommie Jacobs for innovating with us in a collaborative industry x #startup approach. We hope to be back in 2020 with more exciting innovation for the #geobim world. #airsquare #effortlessnessverification #pointcloud

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**Jonny Neville** • 1st
Information Manager and Engineering Geologist at Matt Macdonald
2mo • Edited • •

Really enjoyed being part of the #geobim integration panel with Paulus Eckhardt, Vicki Reynolds (nee Holmes), Anne LAURENTIE and Rezan Shahwan at #geobim2019. Great to hear about the success stories across the industry. Thank you to the organisers GeoBIM Geospatial Media and Communications. #knowledgesharing #bim #data

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**Francesca Noardo** @France... • 12 Nov 19 • What Standards for digital twins in...
@jantienstoter @tudelft3d presentation at #geoBIM2019

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**Vicki Reynolds** @Vicki_D... • 11 Nov 19 • Start with the standards we already have. Amusing but unfortunately accurate cartoon on slide by Prof. Jantien Stoter of Delft University at #geoBIM2019

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**Ian Cunliffe** • 2nd • Assisting projects with BIM and laser scanning services
2mo • •

Big thanks to Matt Rumbelow for including CSD Group Australia Pty Ltd in your presentation at Amsterdam GEOBIM 2019.

Great to be recognised on the world stage, representing Australia, as one of the few Australian companies who actively provide and carry out digital construction of a project through from start to finish.

#leicageosystems #faro #3dscans #laserscanner #futureoconstruction #pointcloud #3dscanning #construction #laserscanning #innovation #layout #digitalconstruction #steel detailing #teklastructures #tekla #bim #vr #technology #digital #bim #geoBIM2019
I've had a wonderful time at the GeoBIM Conference in Amsterdam. Between taking part in a panel about the future of design & construction, accepting the award for Leadership in Digital Construction on behalf of Multiplex, and chairing a panel for Women in BIM, I also had the pleasure of seeing some incredible presentations by colleagues from around the globe, and met some new, exciting and extremely passionate people from across the industry. Thank you Ananya Naran for the invite, and to Anne LAURENTIE, Paulus Eckhardt, Reza Shahnavaz, Jenny Neville, Martina Machado, Smrijas Chanduri, Ph.D. and Joana Menéres Pimentel de Nelo for sharing the stage with me (and making me look good!)
#geobim #womeninbim #digitalinnovation #globalcollaboration

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Vicki Reynolds @Vicki_Digital 12 Nov 19
"Autonomous agents reacting on behalf of real things" - concise definition of a Digital Twin by Tjerd Teerink of @QirtonNL @Alliander
#geobim2019 @GeospatialM #digitaltwin @thedigitaltwin

Vicki Reynolds @Vicki_Digital 12 Nov 19
Common themes from presentations at #GEOBIM2019 seem to be:
- Open standards should always be used where available
- Ask 'why', or 'where is the value?' before you act
- It currently takes a lot of effort to process & react on mass data collection
#smartcities #digitaltwin

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Marina Machado @MachMa... 12 Nov 19
Women in BIM #geobim2019

Matt Wheelis @mattwe... 12 Nov 19
Hearing fantastic stories from leading...

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Vince DiPofi @Vince_DiPofi 12 Nov 19
Congratulations to SSOEs Tony Sabat, Project VDC/BIM Specialist, who was honored with this exciting & esteemed award at the #GEOBIM2019 conference in Amsterdam. @ssoeGroup

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Matt Rumbelow 12 Nov 19
Pleased to have completed my presentation at GeoBIM Geospatial Media and Communications in Amsterdam. #GeoBIM
Danke je to the organisers and the probing questions from the attendees.
Pleased to meet with Vicki Reynolds (nee Holmes) Hendrik Callens Matt Wheelis Robert Miller Oliver Burkler Michael Burghardt Dipl. Geol Ananya Naran
Presentation video: https://www.youtube.com/watch?v=videoID
Presentation PDF: https://www.slideshare.net/authorID
GEOBIM AWARDS

Recognizing organizations with outstanding digital strategies in construction industry

Leadership in Architectural Practice
Grimshaw Architects

Most promising start-up in Contech
Airsquire

Leadership in Digital Innovation
SSOE Group

Leadership in Design Engineering
Sacyr Construction

Leadership in Digital Construction
Multiplex
Dates to be announced soon!

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