# BIM & DIGITAL CONSTRUCTION

2419

1561

## BIM & DIGITAL CONSTRUCTION

7419

4378

# WELCOME

# 

# PANEL DISCUSSION: DIGITAL CONSTRUCTION AND PRODUCTIVITY IN A POST-BIM WORLD!



David Ayeni Senior Director, Strategy and Business Development, Digital Construction Works, Inc. EMEA



Adam Box Business Development Manager - Vertical Construction Topcon Positioning Systems



Timo Hartmann Professor for Civil Systems Engineering Civil Engineering Institute, Technical University of Berlin

Nicolas Munoz, OPs ITOT Construction Product Manager, and Equipment Digital Thread Leader Dow Chemical Company



Steve Sims Director of Business Development Agile Handover and Automation Solutions





6TH MAY - 10TH JULY 2020

## Digital Construction and Productivity in a post-BIM world!

#### **Moderators**

David Ayeni, Senior Business Development Director, Digital Construction Works, Inc., EMEA Adam Box, Business Development Manager - Vertical Construction at Topcon Positioning Systems

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#### **Panel Topics**

- · Optimizing the digital services' delivery model for Capital Projects
- Achieving the promise of Digital Transformations in the E&C industry to deliver measurable productivity gains in Capital Projects
- Adopting a customer-centric view versus product-centric view in building digital solutions for the E&C sector
- Achieving the promise of a Digital Twin solution for infrastructure assets and how this drives value for the delivery of Capital Projects.
- How Innovation must co-exist with a Business or Digital Transformation to drive sustainable change and increased competitiveness in the E&C industry





### **Our Moderators and Panelist**



David Ayeni, Senior Business Development Director, Digital Construction Works, Inc., EMEA



Adam Box, Business Development Manager - Vertical Construction at Topcon Positioning Systems

#### **Moderators**



*Timo Hartmann,* Professor for Civil Systems Engineering, Civil Engineering Institute, Technical University of Berlin



*Nicolas Munoz*, OPs ITOT Construction Product Manager, and Equipment Digital Thread Leader, Dow Chemical Company



**Steve Sims**, Director of Business Development, Agile Handover and Automation Solutions

#### **Panelists**



## Panel Topic-

- David Ayeni
- Optimizing the digital services' delivery model for Capital Projects





## Panel Topic-

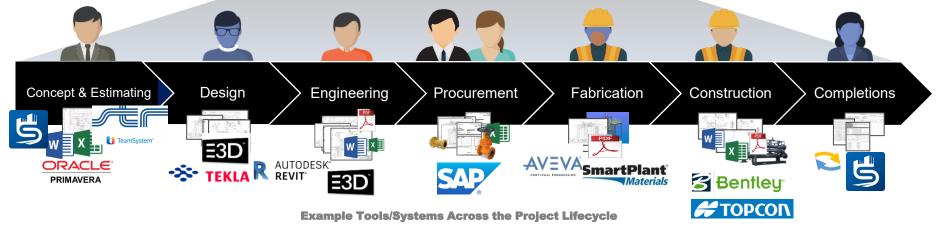
 Achieving the promise of a Digital Twin solution for infrastructure assets and how this drives value for the delivery of Capital Projects.



## DCW Integrated & Connected Data Environments



Digital Threads / 4D & 5D / Work Packs / Constraints / Integrated MMS / Reality Capture & Modeling / StatViz / CSU



AWP + Reality Capture to get to Measurable Project Outcomes & Digital Twin During Construction

DIGITAL CONSTRUCTION WORKS



### Panel Topic-David Ayeni

 Achieving the promise of Digital Transformations in the Engineering and Construction industry to deliver measurable productivity gains in Capital Projects





## Panel Topic-

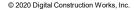
 How Innovation must co-exist with a Business or Digital Transformation to drive sustainable change and increased competitiveness in the Engineering and Construction industry





### Panel Topic-David Ayeni

 Adopting a customer-centric view versus productcentric view in building digital solutions for the Engineering and Construction sector







#### **Contact DCW**



SERVICES MARKETS LAB COMMUNITY

CONTACT

## JOIN THE **DIGITAL REVOLUTION**

## IN CONSTRUCTION

DIGITAL AUTOMATION, INTEGRATION, AND TWINNING SERVICES FOR THE CONSTRUCTION INDUSTRY

#### SCAN ME

Start a Conversation About Your Journey to Digital Integration

#### **DIGITAL CONSTRUCTION WORKS**

is committed to a digital future for construction – and to making the process as seamless as possible. Let's discuss how we can help you realize the power of digital for your business.



### Q & A with our Moderators and Panelist



David Ayeni, Senior Business Development Director, Digital Construction Works, Inc., EMEA<u>-</u> David.Ayeni@digitalconstru ctionworks.com



Adam Box, Business Development Manager - Vertical Construction at Topcon Positioning Systems -ABox@topcon.com



*Timo Hartmann*, *Professor for Civil Systems Engineering, Civil Engineering Institute, Technical University of Berlin timo.hartmann@tuberlin.de* 



Nicolas Munoz, OPs ITOT Construction Product Manager, and Equipment Digital Thread Leader, Dow Chemical Company-Munoz, Nicolas (NF)-<u>NFMunoz@dow.com</u>



Steve Sims, Director of Business Development, Agile Handover and Automation Solutionssteve.sims@agilehand over.com

**Moderators** 

Panelists



6TH MAY - 10TH JULY 2020



digitalconstructionworks.com



#### **New Delivery Methods**













#### Non-construction construction companies



Funding

Everyone wants to know how Sidewalk Labs will make money from the project. In the MIDP, the company outlined its "specific commitments" and associated "business models." The commitments include a \$900 million equity investment that will form part of a

\$3.9 billion budget for both Quayside and Villiers West. It's also proposing \$400

advanced infrastructure systems\* in the area.

million in optional financing to accelerate the development of the Light Rail Transit (LRT) that is needed to connect the area to the rest of Quayside, as well as "municipal and



#### https://www.sidewalktoronto.ca/

Construction As expected, Sidewalk Labs wants to use timber to construct most of the buildings inside the Eastern Waterfront. The materials would be sourced from a new factory in Ontario that would, according to the company, create roughly 2,500 manufacturing jobs.

#### Non-construction construction companies



#### Non-construction construction companies





Toyota to Build Prototype City of the Future



LAS VEGAS (January 6, 2020) - Today at CES, Toyota revealed plans to build a prototype "oity" of the future on a 175-acre site at the base of Mt. Fuji in Japan.

https://pressroom.toyota.com/toyota-provides-immersive-

experience-into-the-woven-city-at-ces-2020/

https://pressroom.toyota.com/toyota-to-build-prototype-cityof-the-future/

RELATED IMAGES

• Prescient – US company – 30 open jobs



https://prescientco.com/about/

#### What is holding us back?

https://www.construction-robotics.com/mule/



Why are not developing robots to do more than can be achieved by humans?



#### **Being On-Site When Off-Site**





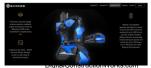




**Sarcos Robotics** 

https://www.sarcos.com/products/guardian-xo-powered-exoskeleton

Robotic Exoskeleton – allowing construction workers to lift more than before – change their capabilities of people on the site – able to assemble much large items together – bringing in off-site parts and assembling rather than tedious on-site assembly of smaller parts.



# BIM & DIGITAL CONSTRUCTION

# Q&A

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## PRESENTATION: TO BE CONFIRMED



# BIM & DIGITAL CONSTRUCTION

# Q&A

## THANK YOU FOR ATTENDING SEE YOU AT WEBINAR 41 JUNE 23RD

4:30PM UK TIME / 11:30AM EASTERN DAYLIGHT / 11:30PM SINGAPORE Standard Time / 1:30AM Australian Eastern Standard)

#### PANEL DISCUSSION: 360° PHOTO CAPTURE BEST PRACTICES FOR CONSTRUCTION PROGRESS MANAGEMENT IN A POST-COVID-19 WORLD



Christian Claus CMO and Head of Partnerships Holobuilder



Erik Sanford Director of VDC/BIM Dimeo



Allison Yanites Immersive Technology Lead Arcadis

