


 The background of the top half of the page is a dark blue image showing a wireframe of a modern building. Three large, stylized arrows (dark blue, white, and lime green) point from left to right across the wireframe.

BIM Implementation workshop to improve the Management of Complex Construction and Infrastructure Projects in Africa

Why you need to be there?

- ▶ Learn about the latest technologies and solutions you can directly implement into your organisations
- ▶ Network with industry leaders and get a chance to discuss your company's challenges with peers
- ▶ Listen to interactive panel discussions, keynote presentations and insight sessions presented by international and regional experts
- ▶ Guided by the BIM Institute, the event will guarantee high standards in terms of course content, industry innovation and relevance to your IT environment

The Digital Construction Expo and BIM BAM BOOM series of workshops through the year brings together the biggest names in BIM and construction software to share their views and help get you up to speed.

The BIM INSTITUTE will present practical case study examples from the BIM user and developer industries to Durban in collaboration with the Smart Buildings & Infrastructure Summit and Hypenica.

Topics covered:

BIM SUCCESS STORIES

- PLANNING COMPLEX BUILDING PROJECTS
- DELIVERING ON TIME AND WITHIN BUDGET
 - BIM INNOVATIONS FOR AFRICA

Secure your attendance today! Early bird discounts apply and limited to the first 20 seats only!

Contact us+27 21 700 4300

Programme enquiries

Vaughan: vaughan.harris@biminstitute.org.za

Commercial enquiries

Bruce: bruce.visagie@biminstitute.com

22 – 23 February 2017

Durban Exhibition Centre
Durban, South Africa

“Better design. Better construction. Better operation”.

The must attend workshop for all building & design professionals.



Programme: 22 February 2017

SESSION 1: IMPLEMENTATION OF BIM IN SOUTH AFRICA

- 08:00** Coffee, registration and welcome refreshment
- 09:00** Acting CEO for National Department Public Works welcome and opening remarks
- 09:15** **Keynote Presentation: BIM utilization in all projects and organisations**
- WIP SA BIM Standards and Policies
 - Defining specific guidelines or specifications to accompany companies in the transition process
 - Adopting a national approach towards developing BIM with commercial steam partners
 - Develop an international framework for the adoption and implementation of BIM in South Africa.
 - What are the international standards implemented around the world?
 - Why is it necessary to have national and harmonized standardisation?
- Vaughan Harris, Executive Director, BIM Institute**
- 10:00** **Workshop: Managing a BIM Project**
- Briefing, Design and Construction teams
 - Completing the EIR (Employers Information Requirements)
 - What Information is included in a BIM Project Execution Plan?
 - Who Should Develop the BIM Plan?
 - Meeting requirements to successfully develop a BIM Management Plan?
- Lourens Henning, BIM Specialist, Certified UK White Frog BIM Trainer**
- 11:00** Networking and coffee break
- 11:15** **Panel discussion: Implementing an Information Exchange Policy on a project**
- Introducing the CDE (Common Data Environment)
 - Collaboration Procedures & Policies
 - BIM Data Drop Protocol
 - Client Information Exchange (CIE) Contract
- Moderator: Vaughan Harris, Executive Director, BIM Institute**
- Panel:**
- Lourens Henning, BIM Specialist, Approved UK White Frog BIM Trainer**
 - Shawn Hopkins, Architect, Founder of BIM.SA**
 - Nick Erasmus, BIM Specialist, Founder of BIM GAMES**
- 12:30** Lunch and meet the exhibitors at KZN Construction Expo Visit

SESSION 2: DEFINING BIM OUTCOMES AND SHARING DATA

- 13:30** **Workshop: Defining the BIM Goals for the Project**
- Description of BIM Users roles on a project
 - Begin with the End in Mind BIM Use Selection Procedure
 - How to avoid rushing into the BIM with unrealistic expectations and without project team backing?
 - Standards and templates for all the parts involved in the projects.
 - What international standards can be followed or should specific standards be defined for SA?
 - How implementing standards in SA will affect the contractor or supply chain in a positive way?
 - Using BIM to overcome interoperability from different stakeholders and at different stage of the building life cycle
- Nick Erasmus, BIM Specialist, Founder of BIM GAMES**
- 14:30** Networking and coffee break
- 14:45** **Workshop: Working with BIM Objects and Sharing data**
- Explore the potential of BIM data sharing
 - Understanding IFC (Industry Foundation Class)
 - How can gbXML or IFC facilitate the transfer of the characteristics of a building stored in a 3D BIM model and be used by the asset management team.
 - Understanding the various Levels of Developments (LOD) for a project
 - BIM Object Libraries and supply chain requirements
- Shawn Hopkins, Architect, Founder of BIM.SA**

Programme: 23 February 2017

CASE STUDY 1: AECOM

- 08:00** Coffee, registration and welcome refreshment
- 09:00** **Vaughan Harris, Executive Director, BIM Institute**
- 09:15** **AECOM Case Study**
- Lessons learned/ future improvements
- Craig Howie, BIM Manager, AECOM**

CASE STUDY 2: OSMOND

- 11:00** **Osmond Lange Case Study**
- Lessons learned/ future improvements
- Senior representative, Osmond Lange**

- 13:00** Networking lunch and meet the exhibitors at KZN Construction Expo Visit

CASE STUDY 3: ARUP

- 13:00** **Arup Case Study**
- Lessons learned/ future improvements
- Nicholas Karassavas, BIM Manager, ARUP**

- 15:00** Closing Remark

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ENHANCING THE BIM PROCESS FOR AFRICA

The Building Information Management (BIM) Institute aims to support and deliver the standards and requirements of the Building Information Management Strategy for Africa.