Let's DO this

Living Spaces: 5D BIM Estimating Competition

We are delighted to announce the **2nd BIM Living Spaces 5D BIM Estimating Competition**, located with the 4th ASAQS Conference 2018 to be held at Gallagher Estate on 2 August 2018. This is the most comprehensive gathering of estimating experts in South Africa. This year's conference theme is TRACTION - demonstrating not only that quantity surveyors are holding their ground in the fast-paced construction evolution but are in fact gaining ground as authorities in the built environment.

And that is exactly what this competition expects you to demonstrate. From leveraging historical data and working with models, to keeping costs in sync with design iterations, the **Living Spaces 5D BIM Estimating Competition 2018** will reveal how to adopt the latest tools and classifications in an estimating environment.

Growing significantly, the ASAQS Conference 2018 will provide insight into:
- The integration of 3D and 5D quantity take-off
- Target value design
- Optimising workflows
- Collaboration with architects and project managers
- Continuous improvement methods

Of course, you'll also have the chance to register in our exciting **2nd BIM Living Spaces 5D BIM Estimating Competition** offering estimators the opportunity to show off their skills and value with the latest take-off, estimation tools on the market.

Benefits of entering

This competition allows you the time and space to explore the latest software tools available to you in a non-threatening but structured, outcomes-based environment. It's about learning, testing and exploring these tools and processes and uncovering new applications of each.

Aside from the prizes and marketing benefits winning the competition brings, you will learn to:

- **Keep estimates up to date**
  Streamline the synchronisation of estimates with design models to ensure quantifications are accurate every step of the project.
- **Optimise your workflow**
  Using the new ASAQS elemental classification WBS, learn to integrate 3d and 5d quantity take-off to ensure a super-efficient estimation process.
- **Maximise the value of data**
  Discover how to rapidly provide clients with elemental estimates from historical data and better predict future costs with 3d data-driven forecasting.
- **Benchmark the latest tools**
  See how quantity take-off applications and estimation software allows for a smoother, secure bid-management process and encourages collaboration with the design team.
- **Broaden your network**
  Meet the BIM experts, architects and estimators from companies – big and small – that already practice in a 5d world.

So, what do I have to prove?

Quantity Surveying as a profession has made a significant and definitive contribution to the construction sector for around 150 years. Even so, the future role of quantity surveyors has been questioned following the recent explosion and success of BIM (Building Information Modelling) and its constant technological advances.

Many QSs and estimators have become increasingly aware of the benefits that software advancements in the construction sector can offer them by increasing efficiencies and productivity in their measurement, estimating and cost management functions. BIM technology offers QS's the opportunity to get behind the growling engine of change, confident that their expertise and tech savviness add a level of security and accountability to the entire project, while protecting the client's bottom line and the quality of the end-product.

2ⁿᵈ Living Spaces 5D BIM Competition
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The BIM Institute recently held its first BIM design competition in South Africa. Using BIM, architects and designers proposed designs for healthier living options. The competitions sought out innovative architects in South Africa and asked them to explore BIM capabilities on their projects. They focussed their attention on residential dwellings and emphasised tagged elements within the 3D models (using the ASAQS Elemental Classification standard.)

> "Following the brief – from a design as well as from a BIM Implementation point of view – was extremely beneficial to me as a BIM Manager. I discovered new ways of setting up a BIM model and entering information and data into my model to make it more accessible for estimators to work with," says Janine Strachan, DSA Architects, winner of the design competition.

We now ask you to take this classification system to the next level. The designers have proved it can work for them, and translate into useable information for the construction team, it is now up to you to turn it into real-life, practical data that is both flexible and standardised, and safeguards both client and project team in terms of cost and quality.

How to Enter

The Living Spaces 5D BIM competitions is an ideal environment for you to present your skills by mapping the elemental classification to the 3D model elementals – either in a DWFX or IFC format.

- The competition will be launched on **9 July 2018,** when registrations will open and the competition criteria will be made available via the following link: http://www.biminstitute.org.za/5d-bim-estimating-competition/
- Entry to the competition is free of charge
- The competition deadline is **23 July 2018**
- Winners will be announced at the ASAQS Conference on the 2ⁿᵈ August 2018 at Gallagher Convention Centre, Midrand.
- Finalists presentations will be displayed at the conference.

ASAQS Elemental Classification

This Elemental classification System allows South African building professionals to organise 'things' in a variety of ways within the construction environment. It helps them define 3D elements in a building by standardising its information in the ASAQS Elemental Class. Architects, specifiers, contractors and suppliers are thereby assured that they are all equipped with the same, best information of every element at every stage of the project. Clients also benefit from the transparency of the requirements, timelines, and importantly where their budgets are being spent.

The ASAQS classification system is not designed to replace any other classification systems. It is a localised standard for designers to classify elements and objects that then allows estimators and project managers to identify these elements, within an African context. With this digital collaboration our project teams move from merely knowing what "things" are called to communicating with all stakeholders to ensure that each solution suits them all and that it is suitable for the whole life of the asset, not just as a design element or construction tool.

Ensuring that each element has the local information behind it is no small task – consider for a minute the range of elements that constitute every building and infrastructure project.

In Africa we are accustomed to finding our own solutions to universal problems. This ingenuity is a cornerstone to our culture, but it is also vital that these solutions are suitable and accessible to all parties working on a project and understood by those who will eventual use and manage the asset. If we can achieve this, the full potential of BIM, and the convenience and power of the standardised, local classification systems, will produce tangible benefits.

Prizes

Winner: **R 10,000.00** Cash prize courtesy of Interbuild Africa, plus a free BIM 4 Professionals course worth **R 6,500.00** courtesy of the BIM Institute

Runner-up: One year free WinQS licence worth **R 12,650.00** courtesy of Ace Computing Solutions, plus a free BIM online course worth **R 1,950.00** courtesy of the BIM Institute