



## “2017 Digital Construction Awards”



## Dubai Arena Project E-book

### **Dubai Arena – The Biggest Touristic Destination for Global Events and Live Shows in the Region:**

Committed to creating and delivering unique experiences, the 'Dubai Arena', a new state-of-the-art multi-purpose arena. Spanning an area of half a million square feet and

with an approximate capacity of 20,000, the arena is set to enhance Dubai's leisure and entertainment offering and become the 'go to' venue for large scale international music concerts, sporting events such as hockey and NBA as well as other entertainment events.

Dubai Arena will be the only all-purpose indoor air conditioned arena of its size in the entire region and will boast an advanced infrastructure allowing it to accommodate mega-events. Strategically located at CITY WALK with proximity to the Dubai International Airport and accessible via the Dubai Metro, the new venue will be at the heart of Dubai's latest urban lifestyle destination surrounded by a plethora of hospitality, F&B, entertainment and shopping options. Ground has been broken for the project and is expected to be completed in the last quarter of 2018.

### **List of deliverables using Synchro pro**

4D Construction Planning and Scheduling using **Synchro pro** enables the construction team to actively participate and provide instantaneous and continuous feedback throughout the life of the project, and thus should result in measurable improvement in performance based on several metrics, the following are some of the ASGC 4D modeling deliverables:

- Create a visual representation of the construction schedule to be used as a tool for communication between project stakeholders in weekly, monthly and quarterly meetings.
- Generate monitoring reports of the site progress using the schedule actual vs planned and approved baseline.
- 3D BIM model's visual clash detection and review along with the schedule progress.
- Construction simulations scenarios and comparisons.
- Material tracking and controlling.
- Site logistics simulations as per the information provided by Site project team
- Safety plans analysis and simulations as per the local official legislation and conditions provided by ASGC safety site team.
- Engineering progress monitoring and simulation to highlight the shop drawing approval stages, supply chain and processes.
- Plan and schedules time risk analysis as per the data supplied and provided by ASGC Site project team.
- 4D BIM documentation that includes the 3D / 4D BIM models received over the contract period, all project documents including RFI's, clash reports and logs will also be handed over.
- As-Built 4D Models for facility management.

- Integration with new technologies such as Mixed reality, drones, gaming engines and other technologies, which gives the project team a lot of solutions to understand and manage the project.

