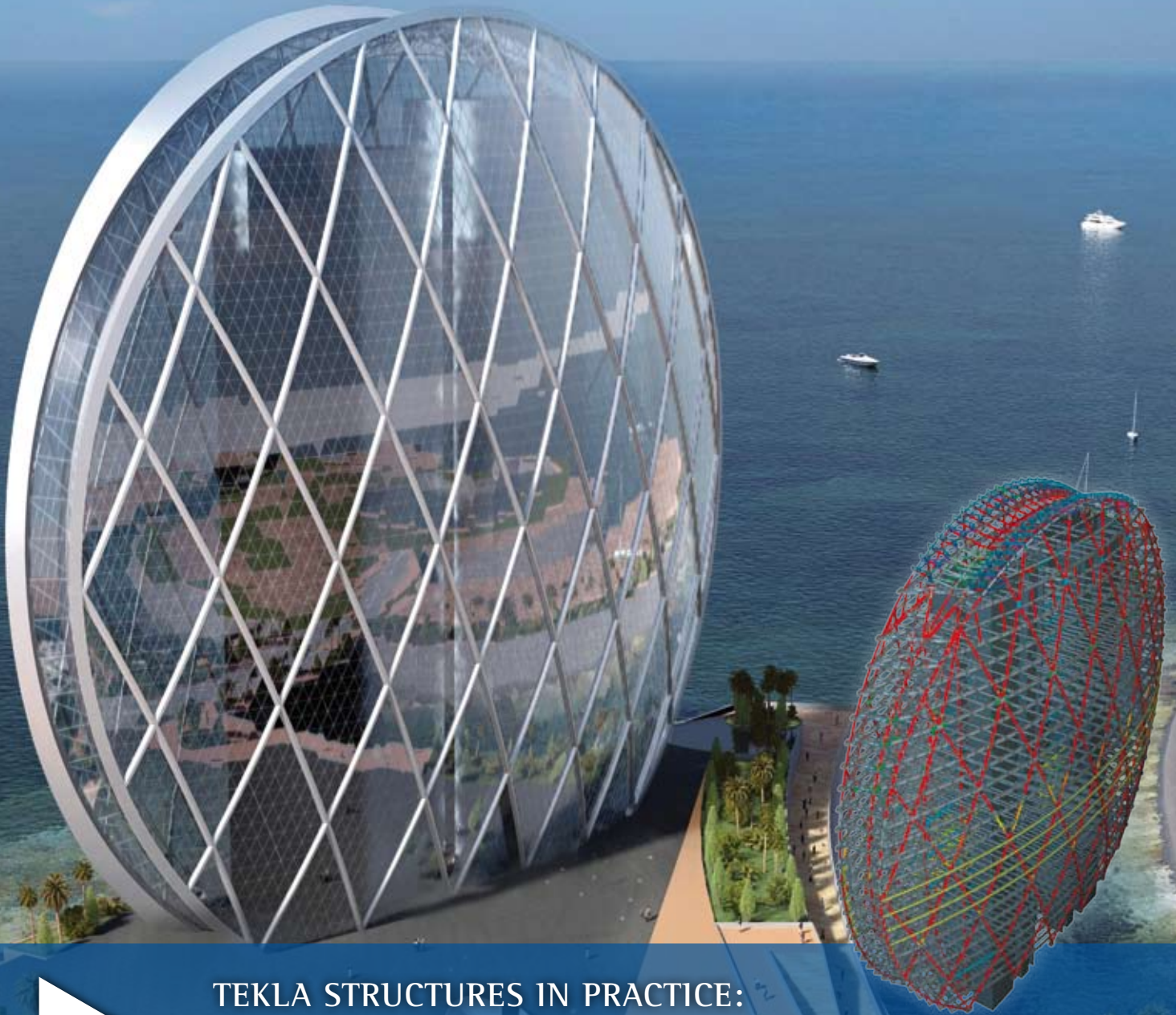




TEKLA® Structures



TEKLA STRUCTURES IN PRACTICE:

ALDAR HEADQUARTERS
UNITED ARAB EMIRATES



BIM

AT THE EARLIEST STAGE

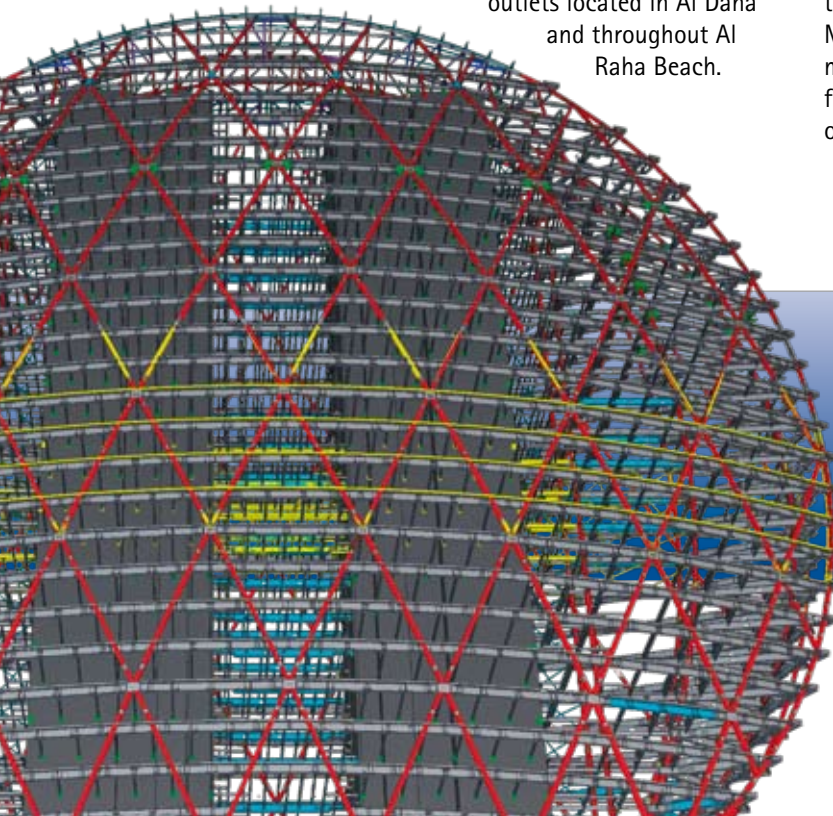
> The first spherical building in the Middle East, the Aldar Headquarters, was William Hare's first BIM (Building Information Modeling) engineering project on civil structures in the Middle East. Engineering and model data were used at the earliest stages of the project to take full advantage of early procurement and optimized use of material.

> Voted as the Best Futuristic Design 2008 by the Building Exchange Conference, Aldar HQ represents a striking addition to the Abu Dhabi skyline, whilst providing flexible office accommodation to the most astute of corporate occupiers. In addition to the distinctive design of its structure and finishes, its floor plates retain a high level of efficiency and provide functional, open plan office space capable of accommodating a multitude of fit-out options. Set upon an elevated peninsula affording spectacular views of the city, canal and sea, the building's location provides proximity to leisure and retail outlets located in Al Dana and throughout Al Raha Beach.

FULL ADVANTAGE OF EARLY PROCUREMENT

> William Hare uses Tekla Structures BIM software to develop their clients' designs, maximize efficiency, and engineer practical solutions to manufacturing facilities. Engineering and model data were used at the earliest stages of the Aldar HQ project to take full advantage of early procurement and optimized use of material.

As a group, William Hare has used Tekla software for the last 10 years. On petro-chemical projects BIM is a routine process for the company, but for civil structures, the Aldar HQ was the first BIM project for them in the Middle East. The challenge in the project was to absorb minor details from the engineer's and architect's design, for which more integrated model checks had to be carried out with other trades' modeling solutions.



ALDAR PROJECT PARTICIPANTS

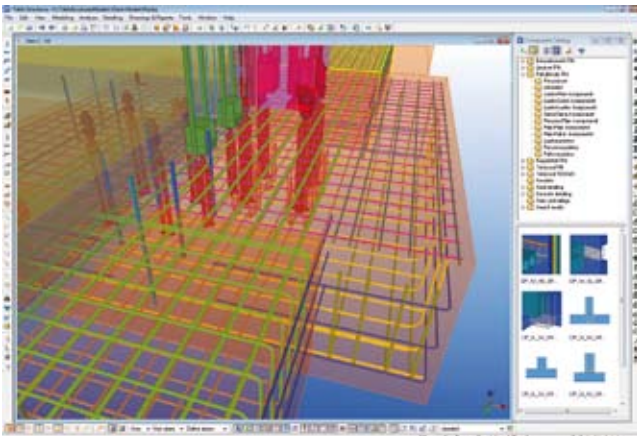
- > Project owner: Aldar/Laing O'Rourke JV
- > Multi-discipline consultant: Arup
- > Architect: MZ&Partners
- > Steel contractor: William Hare
- > Façade: Gartner/Permasteelisa

TEKLA STRUCTURES – INTELLIGENT 3D MODELING



> Tekla's model-based software solutions make customers' core processes more effective in building and construction, energy distribution, infrastructure management and water supply. Tekla has customers in nearly 100 countries. Tekla Group's net sales for 2009 were approximately 50 million euros and operating result 7 million euros. International operations account for more than 80% of net sales. Tekla Group currently employs 470 persons, of whom 40% work outside Finland. Tekla was established in 1966 and is one of the longest operating software companies in Finland.

> Tekla's technology creates new opportunities for the construction industry. Tekla Structures, the most advanced BIM (Building Information Modeling) software on the market, provides an accurate, dynamic, and data-rich 3D environment that can be shared by contractors, structural engineers, steel detailers and fabricators, as well as concrete detailers and manufacturers. The highly detailed as-built structural models created in Tekla Structures enable the highest level of constructability and production control. Centralizing model and non-model based data into the model allows for more collaborative and integrated project management and delivery. This translates into increased productivity, elimination of waste, and an enhanced value for structural modeling.



Tekla is an anti-piracy member of BSA (Business Software Alliance) in the EMEA, APAC and Latin America.

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