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Architecturally exposed structural steel

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While exposed structural steel was once the selected province of a few not worthy projects, nowadays architects are increasingly using transparency in their design as architecturally exposed structural steel (AESS) to meet the current modern building needs and trends. On the one hand AESS are unavoidable due to the long span and triple and more height galleries, which would support the double glassing curtain walls and skylights, further due to client needs to bring the modernized innovative aesthetical architectural ideas and fast track construction completions. On the other hand, the adequate care has to be taken from beginning of the design for construction completion to serve the intent, where well effective structural members, materials, construction methods, connection types, paint coatings, etc. are to be selected, which would require professional workmanship, computerized robotics fabrication, tight quality control procedures, coordination, erection and handing to complete the project on intended time and budget.

Biography

Howida Borziza, MArch, is the Senior Architect at Gulf Consult-Kuwait with responsibility for Construction Consultation of the tall academic projects by considering the architectural aesthetical design requirements and approving materials, drawings and method of delicate finishing items such as curtain walls, Sky lights, claddings, floorings, etc. Prior to joining Gulf Consult-Kuwait, she was running a successful consultant office Al-Namariq Consultants in Benghazi, Libya since 2000, where she has completed many land mark projects, which includes Passport and Control Department Project in Port Benhazi (2012), Rainbow Tower-Benghazi in 2013. She is in the construction industry since past 20 years and has completed many land mark projects in Libya as well in Kuwait. She has received Architecture and Urban Planning Engineering Degree from University of Garyounis, Libya in 1996; following that, she received Higher Graduate Education in Architectural Engineering from University of New Brunswick, Canada in the year 2008; and currently she is pursuing her Research on Applied Science Architectural Engineering in Alkhartum University in Sudan University, which is expected to be completed in 2017.

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