**Emirates Tower One**

**Facts**

- **Official Name**: Emirates Tower One
- **Name of Complex**: Jumeirah Emirates Towers
- **Other Names**: Emirates Office Tower
- **Structure Type**: Building
- **Status**: Completed
- **Country**: United Arab Emirates
- **City**: Dubai
- **Street Address & Map**: Jumeirah Emirates Towers Complex
- **Building Function**: Office
- **Structural Material**: Composite
- **Completion**: 2000
- **Rankings**:
  - **Global Ranking**: #47 Tallest in the World
  - **Regional Ranking**: #14 Tallest in Middle East
  - **National Ranking**: #12 Tallest in United Arab Emirates
  - **City Ranking**: #11 Tallest in Dubai

**Companies Involved**

- **Owner**: Sheikh Mohammed Bin Rashid Al Maktoum
- **Architect**:
  - **Design**: NORR Limited; Hazel W.S. Wong
  - **Architect of Record**: Hyder Consulting
- **Structural Engineer**:
  - **Design**: BG&E; Hyder Consulting
  - **Peer Review**: Leslie E. Robertson Associates
- **MEP Engineer**:
  - **Design**: Donald Smith, Seymour & Rooley
- **Project Manager**: Turner International LLC
- **Main Contractor**: Brookfield Multiplex
- **Other Consultant**:
  - **Civil**: Hyder Consulting
  - **Damping**: GERB Vibration Control Systems, Inc
  - **Geotechnical**: Coffey Geotechnics Pty Ltd; Hyder Consulting
  - **Wind**: Alan G. Davenport Wind Engineering Group
- **Material Supplier**:
  - **Aluminium**: POHL Group
  - **Construction Hoists**: Alimak Hek
  - **Elevator**: Mitsubishi Elevator and Escalator
  - **Fire Proofing**: Grace Construction Products
  - **Sealants**: Dow Corning Corporation
  - **Steel**: Arbed

**About Emirates Tower One**

The Emirates Towers are one of the most distinctive skyscraper duos in the world, and were some of the first skyscrapers to be located along Sheikh Zayed Road in the financial center of Dubai, signaling a trend that has since seen the thoroughfare boom with construction activity. On the periphery of the complex, a beautifully landscaped environment with lush vegetation and meandering pathways imparts the
feeling of an oasis in an otherwise rigid urban hardscape.

The towers rise from a three-story terraced podium, which houses a boutique retail mall, restaurants, and cafés. At the base, intersecting planes of curvilinear and vertical elements frame grand staircases that lead to the podium levels. Clad in silver aluminum panels, and both silver and copper reflective glass, the slim towers capture shifting sunlight throughout the day, and enhance the bright city lights at nightfall. On either side of the towers are rounded low-rise parking structures, reminiscent of the shifting sand dunes that surround the city.

Both towers feature equilateral cross sections, with triangular footprint that affords the structure more stability from the lateral forces of wind and earthquakes. In Emirate Tower One, steel transfers at level nine distribute loads from concrete-filled steel tubular columns into three triangular legs at the perimeter. Three additional transfer floors and a tuned mass damper at the peak provide for maximum stability. A steel and concrete hybrid solution throughout the tower allows for an abundance of column-free office space.

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22 Aug 2018 – CTBUH Research

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13 Oct 2016 – CTBUH Research

Technical Tours, CTBUH 8th World Congress  
4 Mar 2008 – Tour Report

**Videos**

A Postcard from Dubai  
3 Mar 2008 – Andy Davids, Hyder Consulting

**Research Papers**

Ten Significant Tall Buildings, and the Significant Women Behind Them  

Geotechnical Parameter Assessment for Tall Building Foundation Design  

A Postcard from Dubai - Design and Construction of Some of the Tallest Buildings in the World  
Mar 2008 – CTBUH 2008 8th World Congress, Dubai

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**Other Building Facts**

The Jumeirah Emirates Towers were designed by architect Hazel Wong, while at NORR Limited, and are often cited as the tallest skyscrapers to be designed by a woman at the time of completion.

To submit more information or donate images for this project, please use our submission portal.