

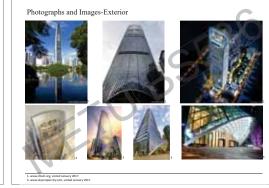
BS 536 STUDIES ON TALL BUILDINGS: DESIGN CONSIDERATIONS Fall 2016-2017

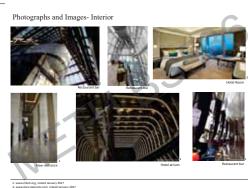
> Case Study: KK100 Tower Ekrem Bahadır Çalışkan

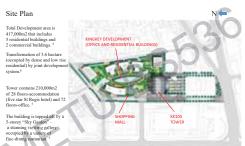
Submitted to: Assoc Prof.Dr. Mehmet Halis Günel Assist.Prof.Dr. Bekir Özer Ay



KK100 Official Name: KK1001 Official Name: KK1001
Other Names: KK100 Development, Kingkey 100, Kingkey Finance Center Plaza, Kingkey Finance Center Location: Shenzhen, Chinal Tower Area: 220,000 m2 ¹ Structural Material; Composite! Structural System: Outriggered Franse System Height Architectural and To Tip: 441.8 m¹ Height Occupied: 427.1 m¹ Total Development Area: 417.000 m2¹ Usage: Hotel / Office¹ Elevators: 66¹ Number of Stories: 100 above ground, 4 below ground¹ Number of Stories: 100 above ground, 4 below ground: Aspect Ratio: 1/9.5² Inter Storey Drift: h/450² Construction Date: 2007-2011¹ Rankings: 2nd tallest in Shenzhen, 10th tallest in China, 14th tallest in Asia, 18th tallest in World¹ (ranking by 2017) Owner: Shenzhen Kingkey Real Estate Development Co Ltd.
Architectural Design: TFP Farrels¹
Architecture of Record: Huasen Architectural &
Engineering Designing Consultants Ltd. ¹
Structural Designer: ARUP, RBS Architectural Engin









Awards and Additional Information 1-Best Tall Building Asia and Australasia 2012 Finalist (CTBUH Awards Finalist)1 2-15th Excellent Project Prospecting Design Program Award, Shenzhen 1st Class Award,20127 -Architectural Society of China, Golden Prize, 2013 5-Arentectural Society of Cimia, Golden Prize, 2013 4-Guangdong Outstanding Engineering Exploration Design Award, 1st Class Award, 20 5-Emporis, USA, The Emporis Skyscraper Award Ranked 4th in the World's Top 10, 201 - Floor System is steel drecking?

17FF arried swent the commission to design the Kingkey Finance Development in an international competities which in Included several leading schiedctural practices.

1. Kingkey Finance Lower is the fallest building ever ompleted by a British architect a Kingkey Finance Tower is shebful tallest building in the World when it was completed at 2011. Energy Label, Leed Gold!

1. Three is not say damper in lower?

1. KEIO0 set a regord of pumping high-strength C120 grade concrete to the height 417 meters.

1. Commission of the control of th



