STRATA

OFFICIAL NAME: Strata
LOCATION: London, UK
USE: Residential
CONSTRUCTION: 2007-2010
ARCHITECTS: Bcis
ENGINER: William Flanagan (Silver)
CONSULTING ENGINEERS: Multiplex
CONTRACTORS: Balfour Beatty
STRUCTURAL MATERIAL: Shear Walled Frame System

STRATA is located on the site of Castle House, an early 1960s de-erected building, it is the first significant private development in the ten-year regeneration of the area around the Elephant & Castle, a major road junction in the Elephant and Castle Quadrant.

The Strata towers take advantage of high winds with turbines integrated at the 51st floor.

ENVIRONMENTAL FEATURES

- Three wind turbines: 2 turbines producing 8% of the building's total energy demand, one turbine in the basement and heat loss recovery system within the whole house ventilation system with mechanical/heat recycling
- Water recycling

WIND TURBINES

SOUTH WEST: 1 turbine

WIND Turbine

- Designed by: Gökçe Gökçe
- Drawn by: Gökçe Gökçe

STRUCTURAL DESIGN

- TYPICAL FLOOR PLAN
  - Shear Walled Frame System
  - Structural System: Shear Walled Frame System
  - Reinforced Concrete Frame
  - Shear Walled Frame System
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- Shear Walled Frame System

- BUILDING LAYOUT
- Number of apartments: 478
- Number of levels: 51