## TAIPEI 101

**Click an image to view larger version.**

### Facts

<table>
<thead>
<tr>
<th>Official Name</th>
<th>TAIPEI 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure Type</td>
<td>Building</td>
</tr>
<tr>
<td>Status</td>
<td>COM</td>
</tr>
<tr>
<td>Country</td>
<td>China</td>
</tr>
<tr>
<td>City</td>
<td>Taipei</td>
</tr>
<tr>
<td>Street Address &amp; Map</td>
<td>No. 7 Xin Yi Road, District Xin Yi</td>
</tr>
<tr>
<td>Postal Code</td>
<td>110</td>
</tr>
<tr>
<td>Building Function</td>
<td>office</td>
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<tr>
<td>Structural Material</td>
<td>composite</td>
</tr>
<tr>
<td>Energy Label</td>
<td>LEED Platinum O+M: Existing Buildings</td>
</tr>
<tr>
<td>Proposed</td>
<td>1997</td>
</tr>
<tr>
<td>Construction Start</td>
<td>1999</td>
</tr>
<tr>
<td>Completion</td>
<td>2004</td>
</tr>
<tr>
<td>Retrofit Start</td>
<td>2009</td>
</tr>
<tr>
<td>Retrofit End</td>
<td>2011</td>
</tr>
<tr>
<td>Official Website</td>
<td>Taipei 101</td>
</tr>
</tbody>
</table>

- Height: Occupied: 438 m / 1,437 ft
- Height: To Tip: 508 m / 1,667 ft
- Height: Architectural: 508 m / 1,667 ft

### Companies Involved

- **Owner/Developer**: Taipei Financial Center Corporation
- **Architect**
  - Design: C.Y. Lee & Partners Architects/Planners
- **Structural Engineer**
  - Design: Evergreen Consulting Engineering; Thornton Tomasetti
- **MEP Engineer**
  - Design: Continental Engineering Consultants, Inc.
  - Peer Review: Lehr Engineering
- **Main Contractor**: Turner International LLC
- **Project Manager**: Kumagai Gumi; RSEA Engineering; Samsung C&T Corporation; Ta-You-Wei Construction; Taiwan Kumagai
- **Other Consultant**
  - Acoustics: Shen Milsom Wilke, Inc.
  - Building Monitoring: Kinematics Inc.
  - Damping: RWDI; ITT Enidine
  - Façade: ALT Limited
  - Landscape: Genius Loci
  - LEED: EcoTech International; Siemens Building Technology; SL+A International Asia
  - Lighting: Theo Kondos
  - Marketing: Wordsearch
  - Sustainability: EcoTech International; Siemens Building Technology; SL+A International Asia
  - Vertical Transportation: Lerch Bates
  - Wind: RWDI
  - (not specified): Motioneering
- **Material Supplier**
  - Cladding: Permasteelisa Group
  - Construction Hoists: Alimak Hek
  - Elevator: Toshiba Elevator and Building Systems Corporation (TELC)

- **Height**: Observatory: 391.8 m / 1,285 ft
- **Floors Above Ground**: 101
- **Floors Below Ground**: 5
- **# of Elevators**: 61
- **Top Elevator Speed**: 16.83 m/s
- **Tower GFA**: 198,347 m² / 2,134,989 ft²
- **Development GFA**: 357,719 m² / 3,850,455 ft²
- **# of Parking Spaces**: 1,839
About TAIPEI 101

Standing in the Xinyi District of Taipei, an area known for its financial services and vibrant shopping malls, TAIPEI 101 represents a worldwide precedent for sustainable skyscraper development. It achieved a LEED Platinum certification for Operations and Maintenance in 2011, an impressive feat for a tower of its size and complexity.

The tower rises from its base in a series of eight-story modules that flare outward, evoking the form of a Chinese pagoda. The top of each module houses mechanical floors that accommodate garbage systems, ventilation equipment, water storage, and MEP services. Near the top, a smaller tower caps the structure, forming a pinnacle that has become a familiar sight for the city. The façade of the tower features double-paned green glass curtain walls that are highly reflective and block solar heat gain by 50 percent. Other sustainable features include energy efficient luminaries, custom lighting controls, low-flow water fixtures, and a smart Energy Management and Control System.

TAIPEI 101 contains a 728-ton tuned mass damper (TMD), a large spherical steel pendulum that offsets lateral movements caused by strong winds. The TMD is located in a large multi-story cavity near the top of the tower. This location is ideal for countering overturning forces, a necessary precaution in a typhoon-prone part of the world.

Nearly every aspect of the building’s design is steeped in symbolism. The number “100” symbolizes perfection and “100 plus 1” represents further breakthrough and innovation, and the new beginning. After completion, the building has become a central component of New Year’s celebrations in Taiwan. Every year, all of the tower’s lights are turned off and each of the stacked modules light up in sequential order, counting down the last eight seconds before the New Year, which is followed by a dazzling fireworks display.