



# Megastructures: Tallest, Longest, Biggest, Deepest

*Ian Graham*

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**Megastructures: Tallest, Longest, Biggest, Deepest** Ian Graham

*An in-depth look at the world's mightiest structures.*

Stunning foldout pages, panels, diagrams, photographs and "Mega Facts" boxes make this book a stimulating read for all ages. ***Megastructures*** describes how and why these structures were designed and built. It explains the physics behind the designs, which allows buildings, dams or bridges to rise to incredible heights, withstand enormous pressures, and resist collapse from environmental forces.

The book is organized into four sections.

Towering Giants: skyscrapers, towers, monuments, offshore platforms

- Burj Khalifa Skyscraper (gatefold) -- casts shadows on passing clouds
- Troll A Gas Platform -- its legs weigh an astonishing 72,300 tons each
- Pearl River Tower -- the first "green" skyscraper

Gigantic Lengths: wide and long, over and under

- Types of bridges -- beam, arch, cantilever, suspension, cable-stayed
- Öresund Link (gatefold) -- joins Denmark and Sweden
- Gotthard Base Tunnel -- at 35 miles, the world's longest

Massive Monsters and Darkest Depths: stadiums, islands, dams

- London's Olympic Stadium (gatefold) -- cut-away diagrams
- Hoover Dam -- changing a river course
- Palm Islands, Dubai -- palm-tree shaped artificial islands longest

Darkest Depths: mines, power stations, ice cores

- Channel Tunnel (gatefold) -- a network of interlinking tunnels and passages
- Thunder Horse Oil Field -- the deepest oil field ever found
- Bingham Canyon Mine -- the world's deepest open-pit mine longest

In each chapter, ***Megastructures*** also looks at Failures and Accidents, including such frightening events as windows falling out, roofs collapsing, floods and explosions. Future chapters in each section describe the monsters of tomorrow, like the pickle-shaped Gherkin tower, the Lake Vostok tunnel deep under Antarctic ice and the Bering Bridge linking the USA and Russia.

A glossary of words highlighted in the text, a resources section and an index round out this riveting book.

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#### **Kathleen Carroll:**

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#### **Tia Rosario:**

Spent a free time to be fun activity to accomplish! A lot of people spent their sparetime with their family, or their own friends. Usually they undertaking activity like watching television, planning to beach, or picnic inside the park. They actually doing same thing every week. Do you feel it? Would you like to something different to fill your own personal free time/ holiday? Could possibly be reading a book may be option to fill your free time/ holiday. The first thing you will ask may be what kinds of reserve that you should read. If you want to attempt look for book, may be the e-book untitled Megastructures: Tallest, Longest, Biggest, Deepest can be fine book to read. May be it might be best activity to you.

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