

## Civil Engineering Wonders

New technologies and materials have allowed humans to build structures that are increasingly impressive and complex, paying tribute to modern society's ability for achieving the unachievable and refusing the notion of "it can't be done".

Most monuments of this list were constructed in the last 100 years thanks to sophisticated software programs and impressive new materials which are allowing the civil engineers to realize new infrastructure projects of unprecedented scale.

Some **Modern Civil Engineering World Wonders** are:

### Channel Tunnel

The Channel Tunnel also called the Euro Tunnel is a rail link under the English Channel between Cheriton near Folkestone, Kent, and Coquelles near Calais. The tunnel is one of the greatest civil engineering projects of the 20th century, has an ultimate design capacity of 600 trains per day each way. The Channel Tunnel is 50 km (31 mi) long, out of which 39 km (24 mi) are undersea.



### CN Tower

The CN Tower is the World's Tallest Building and Free-Standing Structure and has the world's highest public observatory, although it is not considered to be a traditional building. At a height of 553.33m, it is an important telecommunications hub. It is almost twice as tall as the Eiffel Tower and more than three times the height of the Washington Monument.



### **Delta Works**

The flooding of the Netherlands in 1953 made it very clear how vulnerable the land and the people living there were. Therefore with a huge effort, the Delta Works project was made to create a new and better protection to make sure this would not happen again.



### **Itaipu Dam**

The Itaipu Hydroelectric Power Plant is located on the Paraná River between Brazil and Paraguay. The Paraná River is the seventh largest river in the world and the second largest in

South America. Itaipu Dam is the world's largest hydroelectric power facility and it is a joint effort of the governments of Brazil and Paraguay.



### **Panama Canal**

The Panama Canal is a major ship canal that traverses the Isthmus of Panama in Central America, connecting the Atlantic and Pacific Oceans. Construction of the canal was one of the largest and most difficult engineering projects ever undertaken.



## Golden Gate Bridge

The Golden Gate Bridge is a suspension bridge spanning the Golden Gate, the opening of the San Francisco Bay onto the Pacific Ocean. As part of both U.S. Route 101 and State Route 1, it connects the city of San Francisco on the northern tip of the San Francisco Peninsula to Marin County.

