

## Tsing Ma - Lantau Bridge, Hong Kong



**Customer:** Cleveland Bridge Limited

**Location:** Hong Kong SAR, PR China

**Year of Completion:** 1997

The Tsing Ma Bridge is the world's seventh-longest span suspension bridge. The bridge was named after two of the islands in Hong Kong, namely Tsing Yi and Ma Wan. It has two decks and carries both road and rail traffic, which also makes it the largest suspension bridge of this type. The bridge has a main span of 1,377 metres (4,518 ft) and a height of 206 metres (676 ft). The span is the largest of all bridges in the world carrying rail traffic.

DavyMarkham manufactured the 4 steel saddles, which were mounted on grillages, for the top of the 2 concrete towers as well as the anchor saddles at the end of each side on the ground, which are stationed in specially humidity and temperature controlled rooms. The steel saddles consist of three parts which weigh approximately 500t in total per saddle. DavyMarkham also manufactured more than a hundred cable bands for the aerial spinned wire and supervised the on-site assembly.

The bridge was built by the Anglo Japanese Construction Joint Venture. This joint venture comprised Trafalgar House Construction (Asia) Limited (part of the Kvaerner Group of Norway), Costain Civil Engineering Limited of Britain, and Mitsui and Co. Limited of Japan.

**Total**

**Engineering**

**Capability**

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