Queensferry Crossing Cable-stayed Bridge

The recently opened Queensferry Crossing is a 2km long Cable-stayed bridge with two main spans of 650m each. The steel-concrete composite deck was built as balanced cantilevers starting from each of the three towers.

This talk will focus on innovative temporary works required to build this landmark in the extreme Scottish weather.

- pre-cast and storage yard
- transportation on land and sea
- lifting 800t segments
- geometry control
- closure of the cantilevers, while coping with deflections of several meters during balanced cantilever construction

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