

Another Sky Climber Reference!

Temburong Bridge - Brunei



- DIVISION:** Sky Climber Europe
- PROJECT NAME:** Stay Cable Maintenance Gantry for Temburong Bridge - Brunei
- APPLICATION:** Manned and Unmanned Inspection Gantries to Inspect Stay Cables

Temburong Bridge is a 30-kilometre bridge currently under construction in Brunei. It is the first road bridge in the country that directly links the mainland and the Temburong exclave, across Brunei Bay in the South China Sea. The bridge will allow commuters to travel between the two territories without passing through Malaysia, hence bypassing the four immigration checkpoints along the current route.

Daelim, a South Korean company, is constructing the two cable-stayed bridges that crosses Brunei Bay. They requested a turnkey solution from Sky Climber for gantries to inspect the stay cables.

Sky Climber designed, manufactured and installed the Stay Cable Maintenance Gantries for inspecting both sides of the stay cable at one time. Each unit consists out of two electrically powered hoists, a suspension rig riding over the stay cable and a built-in petrol-powered generator. Lighting provisions are included to enable inspection and maintenance to be carried at night.

The Unmanned Inspection Gantry is used with a remote control and is equipped with a camera system for visual inspection and documentation with evaluation software with archive storage arrangement for efficient comparison with previous images. In case repair or further maintenance is required, the Manned Inspection Vehicle will take up two technicians to the exact spot where their intervention is required.

Type of cradle	Unmanned Inspection Gantry equipped with cameras and evaluation software. Manned Inspection Gantry for 2 persons
Type of hoist	Alpha 800 3ph with petrol power generator
Safety Devices	Sky Lock, SKY OL Overload, Limit Switches, Anemometer
Norms	EN1808