



the safest connections

Bridges have always connected people. Alpine environments such as Switzerland provide particular challenges which is why this country has consistently set new standards in bridge building. For example the research institute Empa developing a technology to prevent bridges from dangerous cable vibrations. This "smart" system adjusts optimally the damping force to the actual vibration amplitudes and stay cables properties. Also, this system may be called failsafe since the dampers produce a certain amount of damping during a power break down. Hence, it comes as little surprise that the world's longest cable-stayed bridge, the Sutong Bridge over the Yangtse, opted for this system to get maximum safety.

> www.empa.ch
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