

Year: 2007

Location: France

Program: Transport and Infrastructure

Paper Bridge



A bridge using paper tubes was constructed in Nîmes (France) next to a Roman aqueduct, Pont du Gard which is designated as a World Heritage. Based on the site situation and structural effectiveness, an arched shape was selected. Stones of the aqueduct represent historical weight and strength, while tubes made of paper represent lightness and weakness, giving a contrast in material. Harmony was accomplished by using a scale inspired by the ancient aqueduct. The paper tubes used in this project had 115mm diameter and 19mm thickness with steel joints and cables used in post-tension structure forms.