



General Objetive

To design and build a portable retractable bridge that may assist during contingencies to provide supplies or rescue to affected people.





Application

- To help in emergencies
- As support tool
- Anexed to emergency plans
- At the service of people





Prototype 1

Inspired by Leonardo
Da Vinci's scissor
bridge, to make the
retractable simulation
use robotics and
programming bases







Prototype 2

Weight resistance tests are made with the scissor design







Prototype 3

Interaction between
different systems, such
as: neumatic,
mechanic and electric,
revisiting London
Tower Bridge's
hanging and tipping
bases.





Acquired abilities

Time organizing, public speaking, mechanic tools usage, support and advisory management.

Create	- 1				
Medida 💟	Medidas actualies retraido	Medidas schules expendido	Olferencia vs expansion *	Reglamento remolque	Excels
Ancha	0.5	0.5	0	2.5	2.5
Ancha Alto	0.62	0.62	0	2.6	2.6
Largo	0.83	2.16	1.33	16	13.3
Peso puente	20	20	0		200
Carga puente	N/A	130	N/A	28,000	1,300
Medidas en Ki	logramo, Metro				