

Educational Institution of the Trade Unions of Higher Education
«Academy of Labour and Social Relations»

DESIGN

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Agenda

- Design of a buildings
- Some of the most important challenges
- Designing solutions

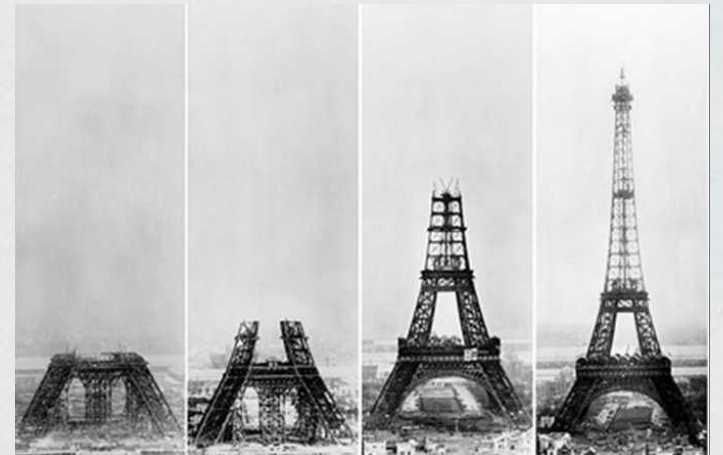
Design of a buildings: Eiffel Tower



Gustave Eiffel

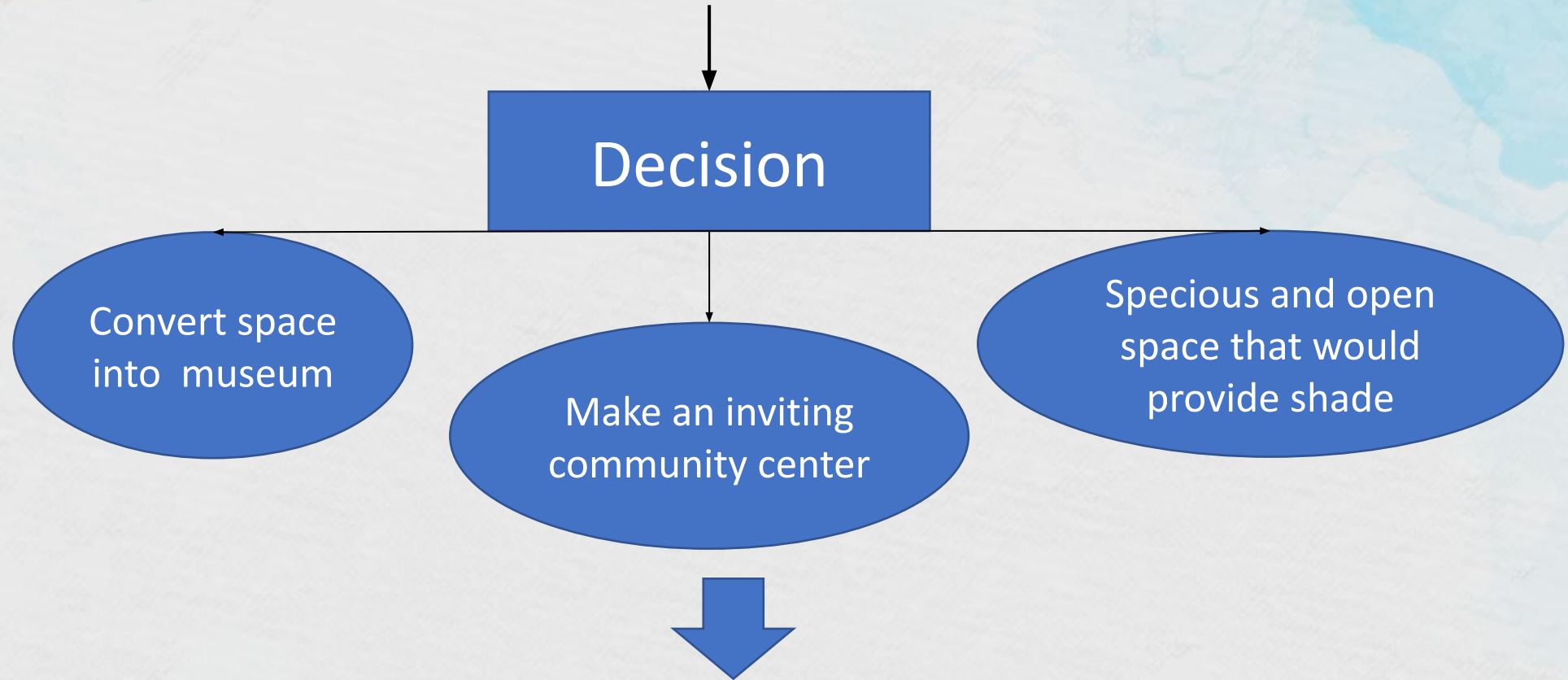
- Symbol of a Paris
- Built for 1889 Exposition Universelle
- Opponents called the Tower an «eyesore»
- Visitors admire this building

Built in 1889

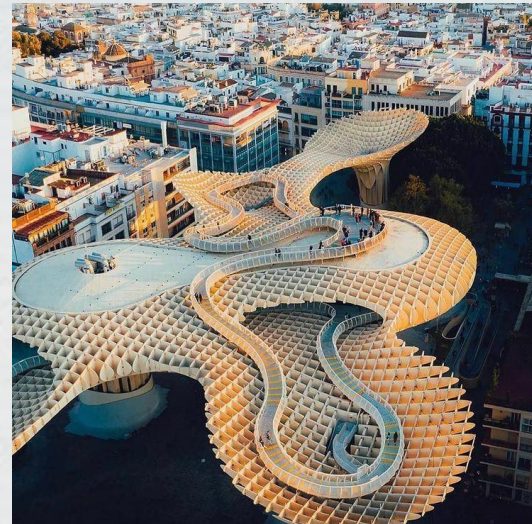


Design of a buildings: Metropol Parasol

Unexpected dilemma: «How to save Roman ruins»



Floating construction



Metropol Parasol today:

- Archeological museum
- Farmer`s market
- Café and restaurants

What people think

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graph TD; A[What people think] --> B[Modern iconic landmark]; A --> C[Overpriced eyesore]; A --> D[Bad for ecology]
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Modern iconic landmark

Overpriced eyesore

Bad for ecology

Challenges

1. Rapidly growth population
2. Lack of farmland
3. Climate change
4. Lack of appropriate water
5. Floods
6. Traffic congestion
7. Sprawling cities

Designing solutions: New Valley project, Egypt

The cause → Rapidly growth population and lack of farmland
↓
The effect → Overcrowding and food shortage



Solution

New Valley project:
The station would pump
water into a system of canals



Opinions:

Will increase the
number of fertile land
and allow citizens to
get their own food
requirements

Project is too costly
and will allow Egypt to
use too much Nile`s
water, that use
another countries too.

Designing solutions: Venice Tide Barrier project, Italy

The cause → Shifting landscape

↓
The effect → floods and destruction of historical landmarks and artistic masterpieces



Solution

The Tide Barrier project:
Compressed air is pumped
underneath gates. The gates
rise and stop the sea water.



Opinions:

The only way to save
Venice

Negative effect on wildlife
and won't stop flooding

Conclusion

The aims of design

