

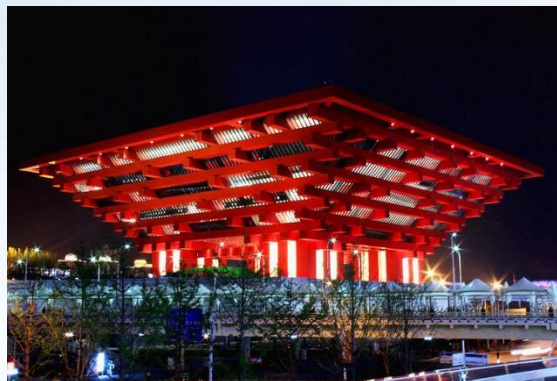
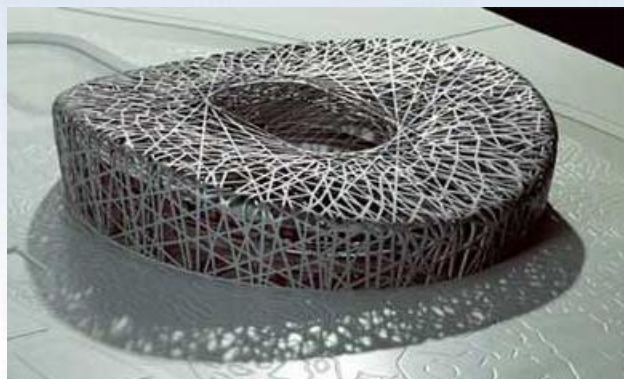


## 专题：更为公众接受的输变电工程

大型人造工程都有公众接受程度的问题

至少：减小物理影响、减小心理阻力

最好：增加便民功能、增加环境美化







# 输变电路和设备也存在如何更容易被公众接受的问题

如不能：美化周围环境 至少要：减小视觉冲击

## THE PUBLIC PERCEPTION

- threatening
- outdated
- visually polluting



输变电工程的公众接受问题来自：周边土地使用、电磁环境、视觉影响



# 输变电线路和设备也存在 如何与环境相互协调的问题

如不能：美化周围环境      至少要：减小视觉冲击

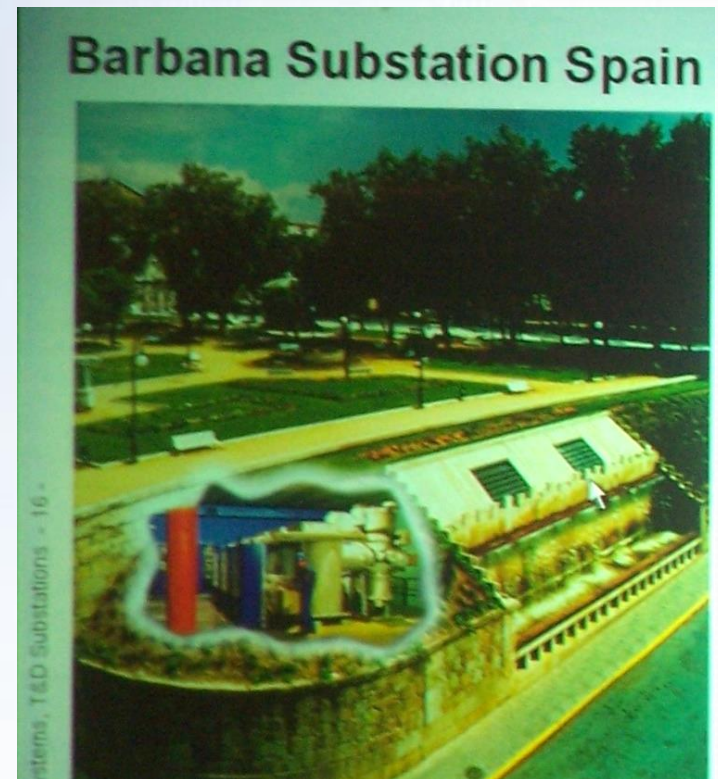


# 输电线路视觉影响方面

1996国际大电网会议CIGRE paper 22-210 :

Quantitative Evaluation of the Visual Impact of Overhead Lines

变电站视觉影响方面: Invisible Substation





# 德国小镇-海德堡







芬兰赫尔辛基  
旅游路线上的双回自立塔  
彩色钢管结构  
景点之一



芬兰赫尔辛基  
高速公路旁  
轻盈造型的  
三相分塔

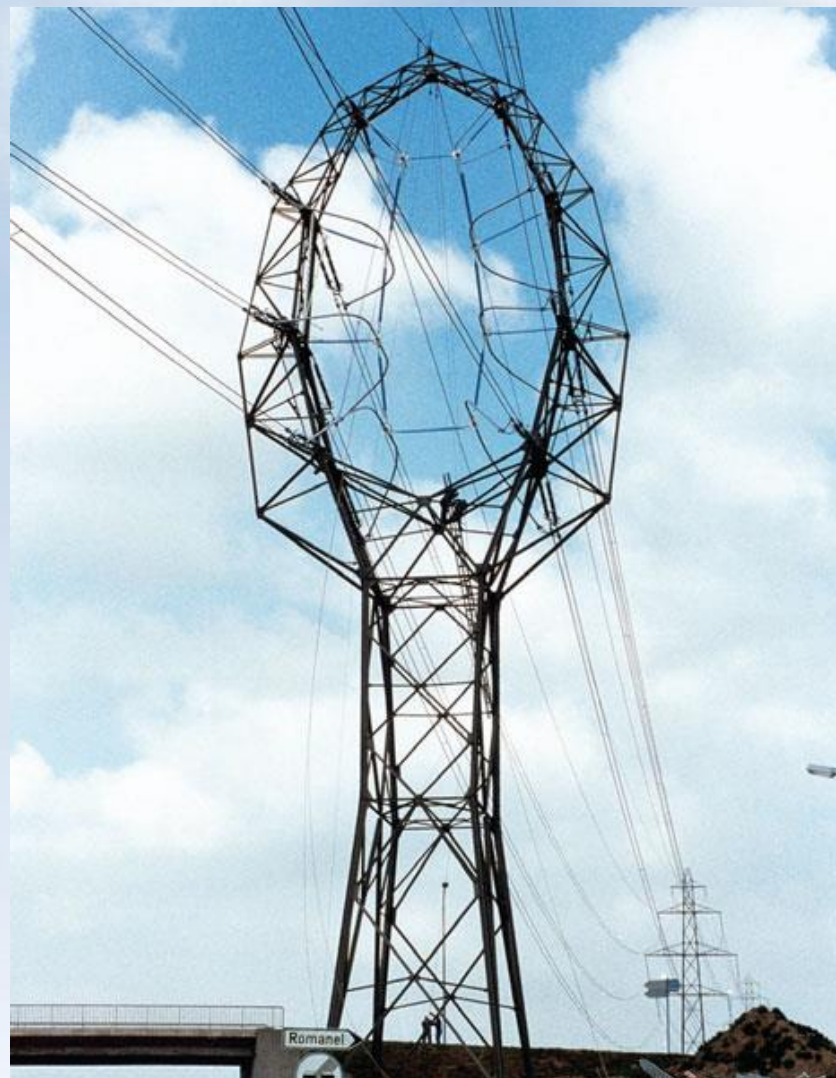


2007/07/06





北京500kV紧凑型线路  
(昌平-房山)



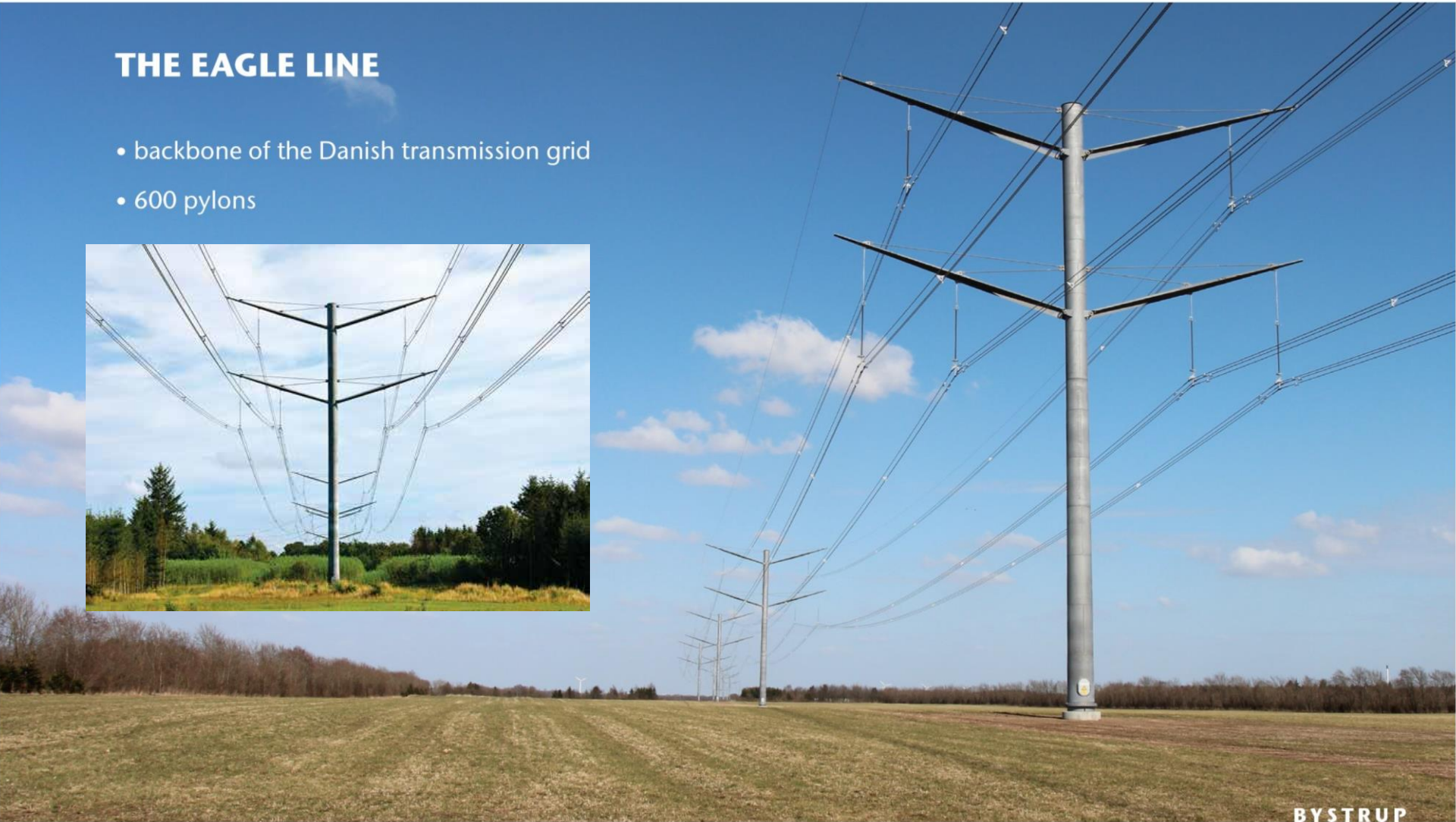
瑞士Lausanne旁高速公路





## THE EAGLE LINE

- backbone of the Danish transmission grid
- 600 pylons



BYSTRUP





## EAGLE PYLON

Prototypes



BYSTRUP



## COMPOSITE PYLON

- contemporary
- compact
- cost-efficient



BYSTRUP



BYSTRUP





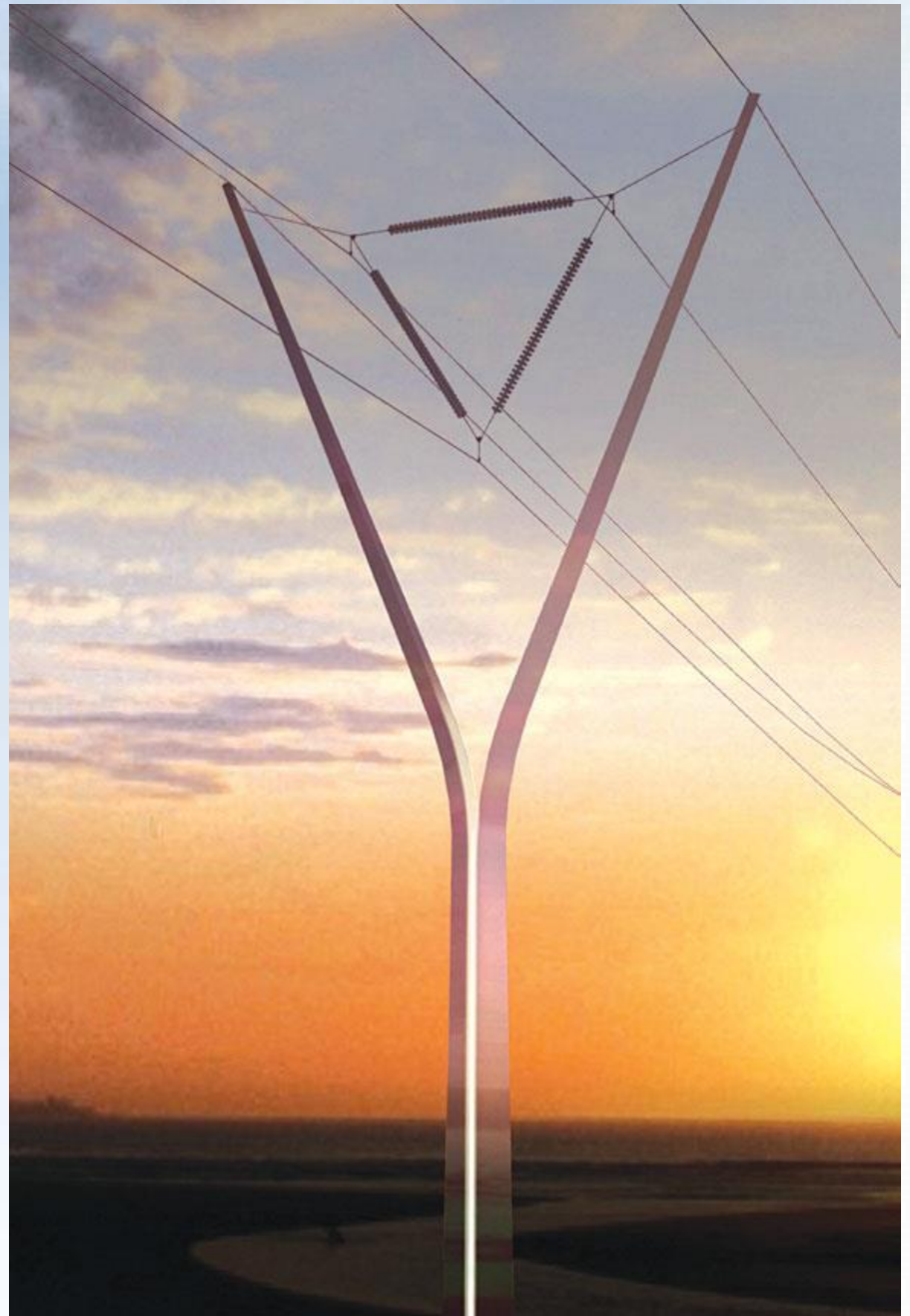
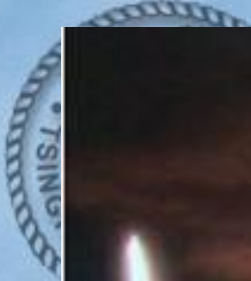


## CONVENTIONAL LINES

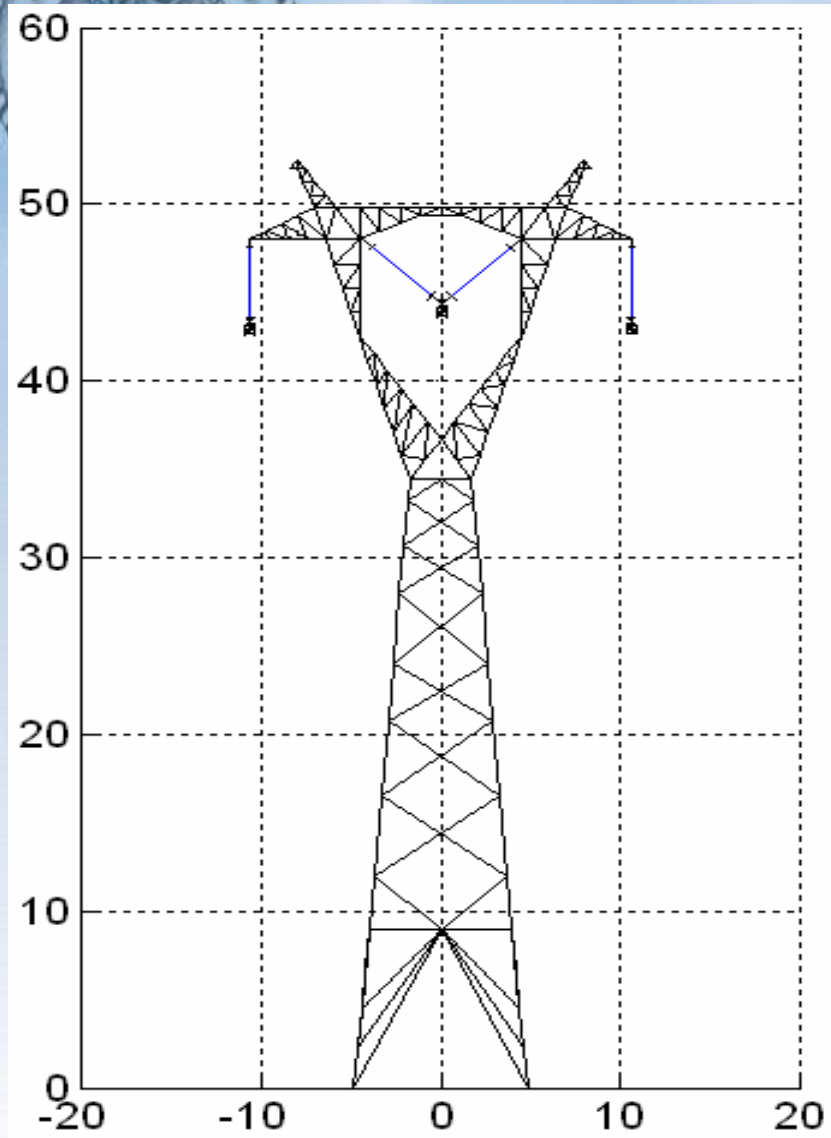
Two lines each carrying one 400 kV circuit



BYSTRUP







© Elena Paroucheva/ADAGP





[www.art-elena.com](http://www.art-elena.com)  
**Elena Paroucheva**





# élina

high tension installations  
à Amnéville les Thermes  
Lorraine - France



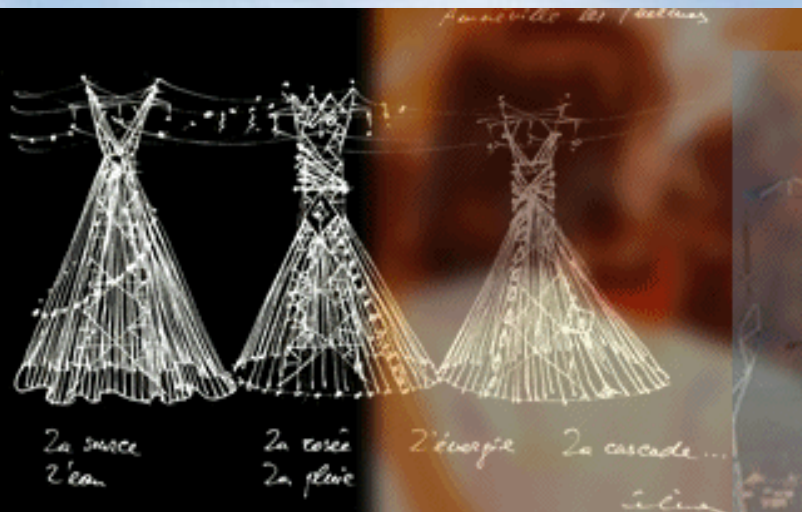
In 1909, we found a source of mineral warm water was found in Amnéville when prospecting for some coal. This source was baptized "Saint Eloi", in honour of the patron saint of the steel makers.

Amnéville is an old mining town, which has become a thermal and health resort. It benefits from privileged links with the heat, the energy and the water.

It is quite naturally that Elena's work called "The Source", settled side by the thermal baths, which draws its inspiration from these three elements.

*" In a journey of colour between interlacing and cables, the light stands out, the image builds up itself for every traveller who passes accompanied with his imagination, with his desire to discover. "*

Michel Arnault.





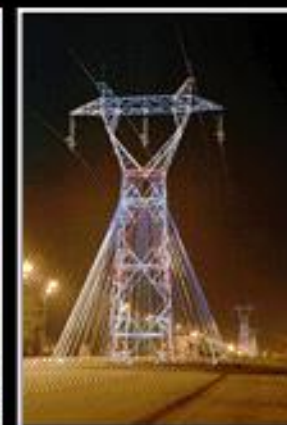
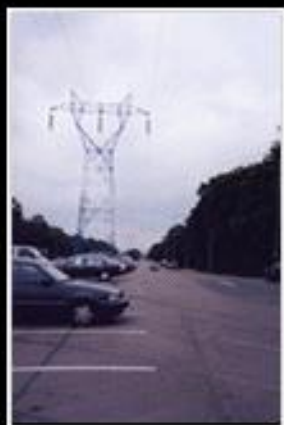
## *From drawing to installation: the evolutions of the study*

### **Mast N 10: " the Source - Light "**





## Mast N 11: " the Source - Water "



## Mast N 12: " the Source - Energy "



# *Elena*

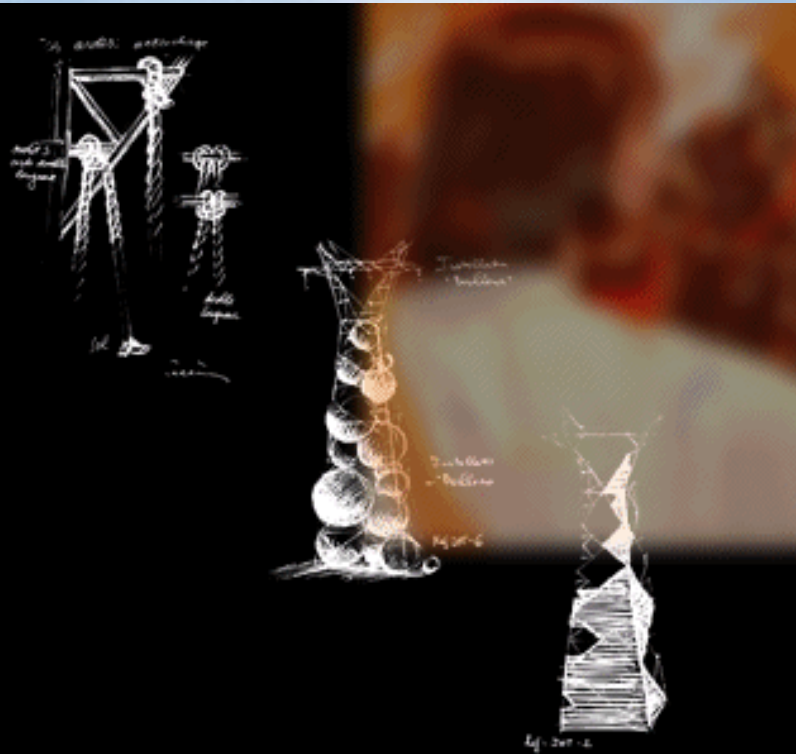
## High Tension Installations

" To the donors and to the researchers of light, to the one who is in search of transformation, Elena's "elements" transpose the track of man at a moment that shares the vision of light and space.

What the human being makes, the artist transforms. From these steady giants, Elena has known how to extract aesthetics and grace by giving them an identity and a history.

The light passes, it allows the existence of the artwork. The light makes the void vibrate, which gives it existence. "

Michel Arnault,  
Artist painter,  
President of "Art Touch" Association.



"Dancer"

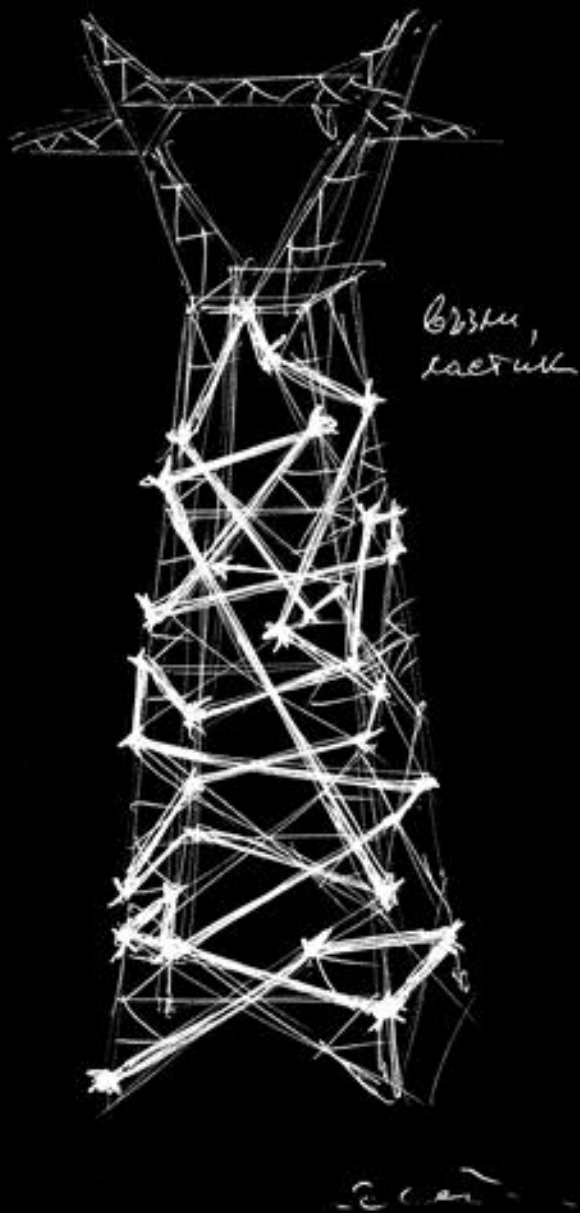


"Rain"



" Dress cords "





"Landscape"



"Colour Rain "



"Drops"



" Dress fences in "



"Flower"



"Ball"







"岗巴羊头"造型输电铁塔

