



BIM en la Academia

Sergio Rodríguez

GRAPHISOFT®

El Arquitecto



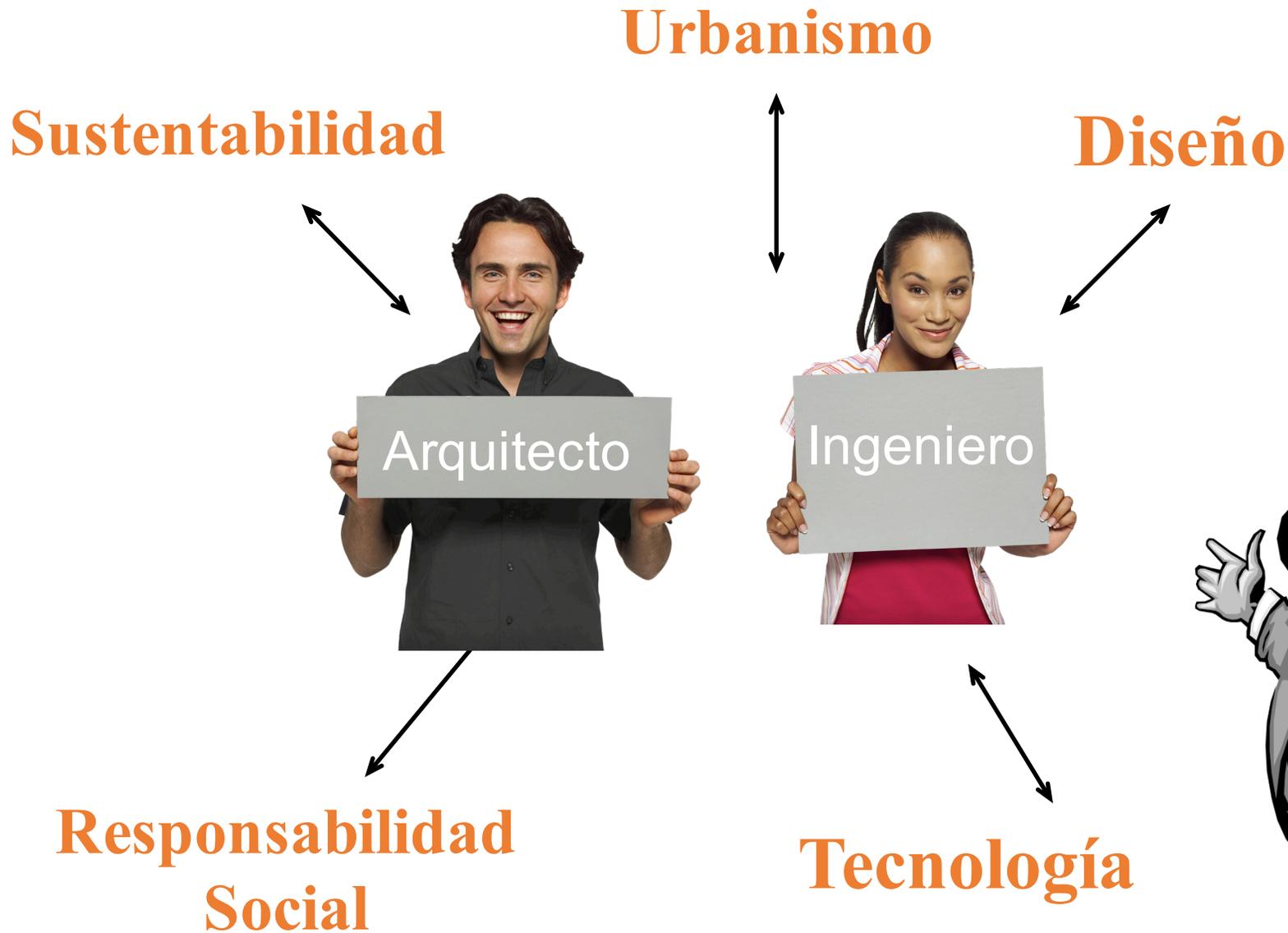
**¿Quién es el
arquitecto?**



Realidad?



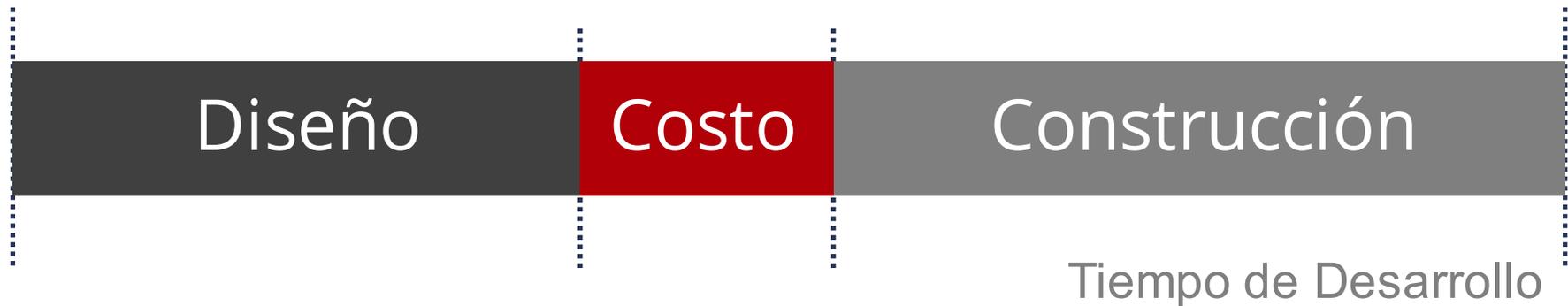
Los grandes temas.....



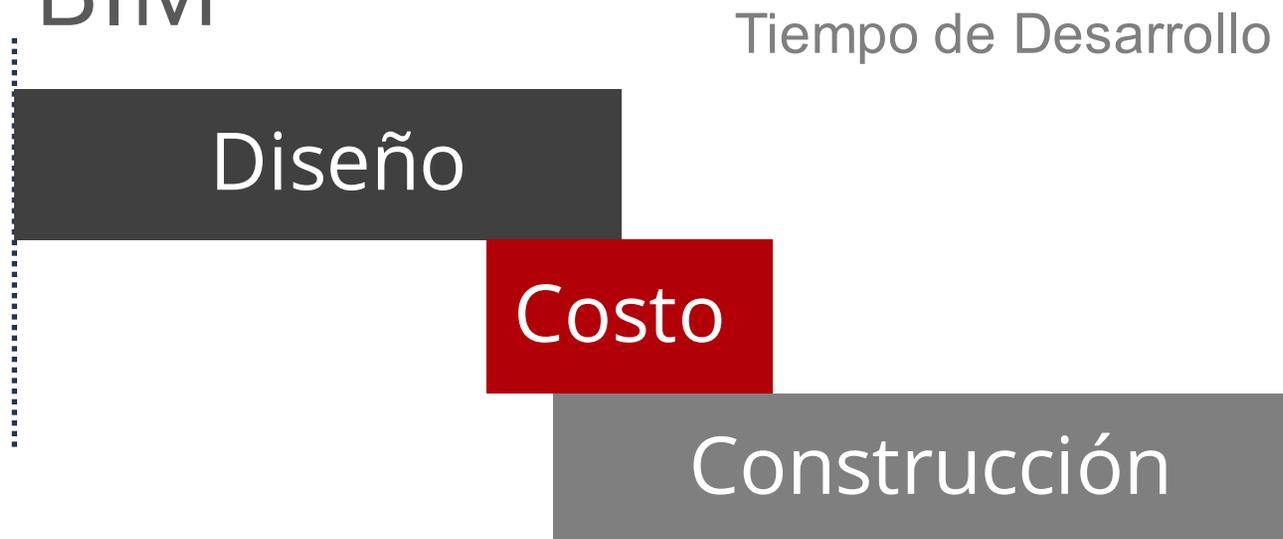


Objetivos en la industria

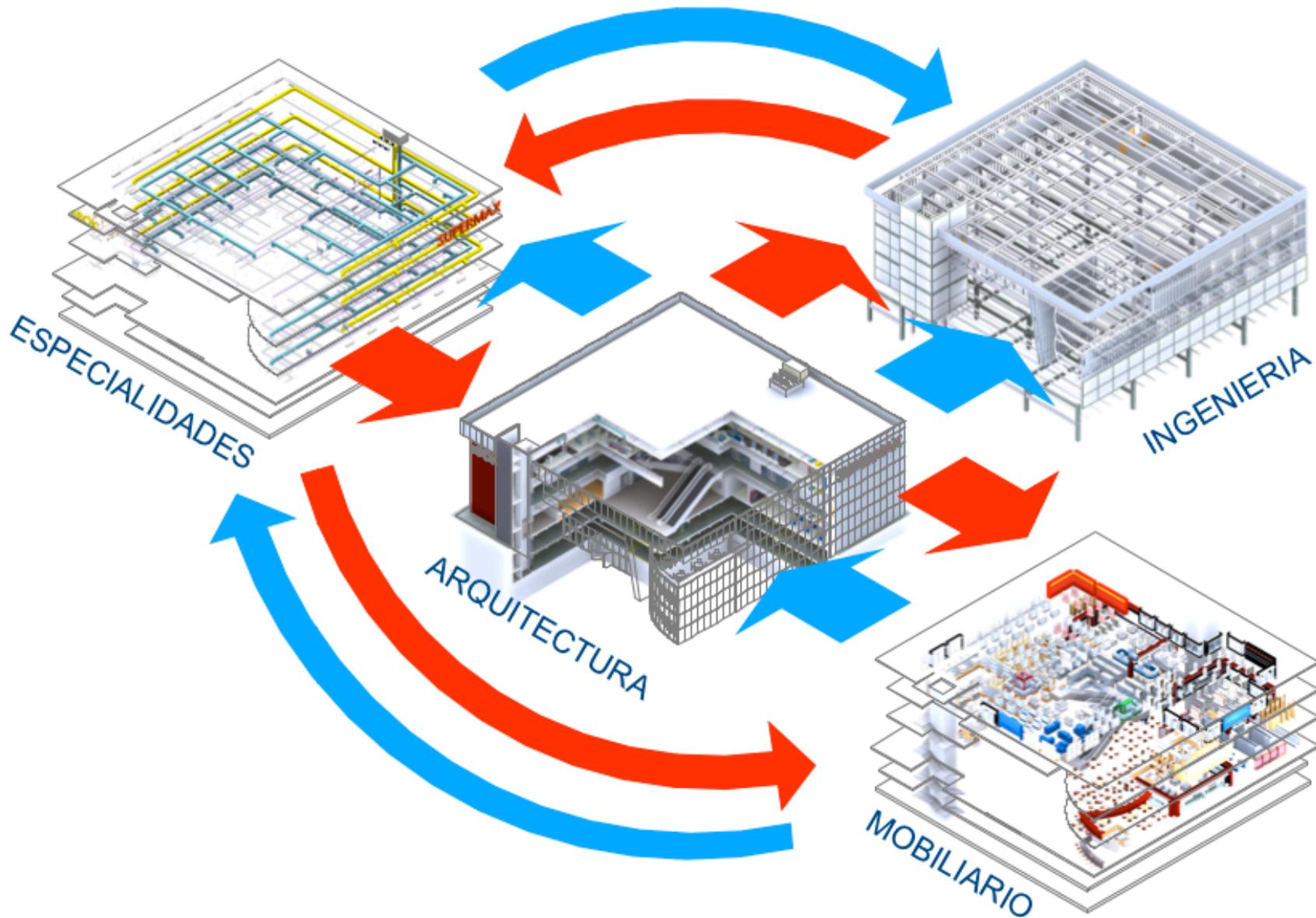
Tradicional



BIM



Objetivos Básicos en BIM

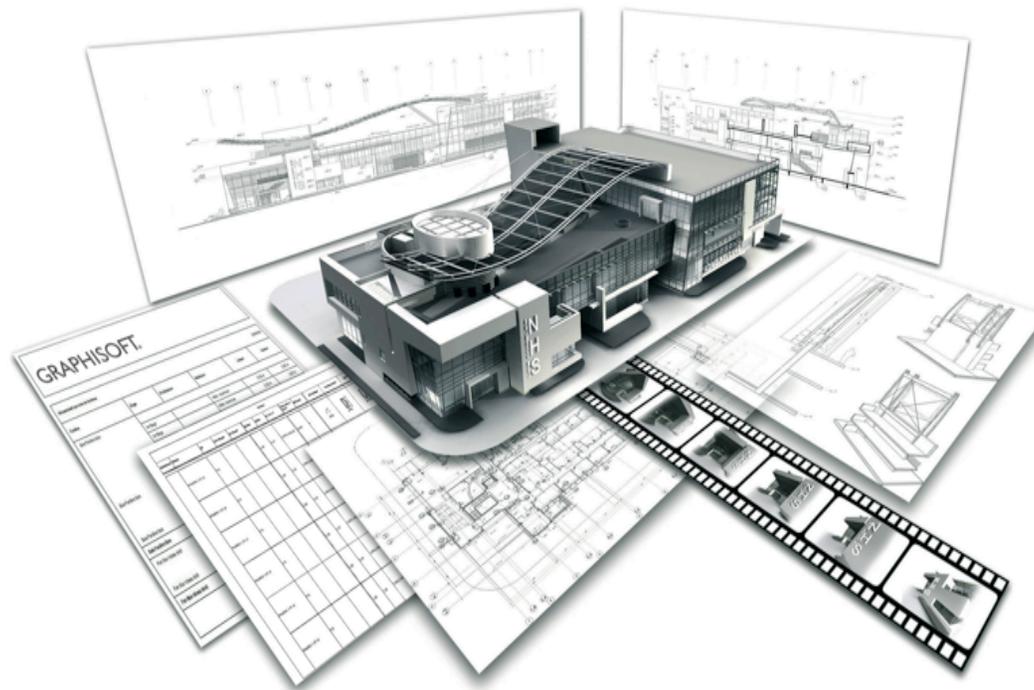


BIM *Building Information Modeling*

BEM *Building Energy Model*

BCM *Building Construction Model*

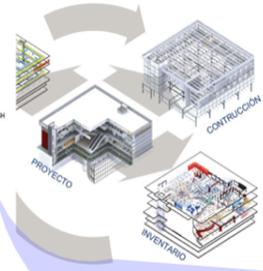
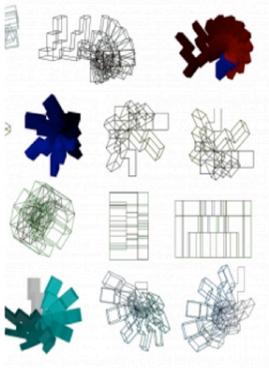
CIM *City Information Modeling*



Academia...



Integración en programas Académicos



El Edificio Virtual™

Modelo 3D

Estilos Rendering

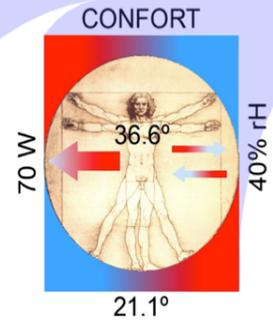
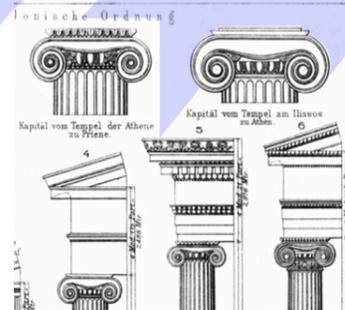
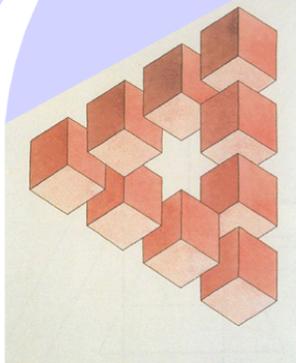
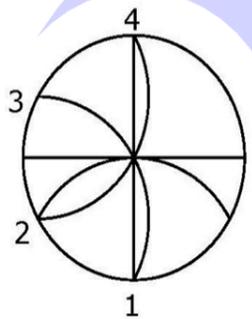
Secciones/ Alzados

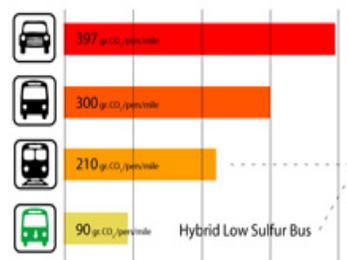
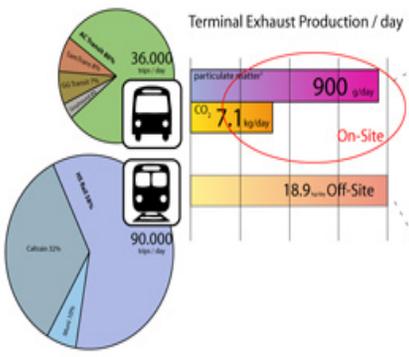
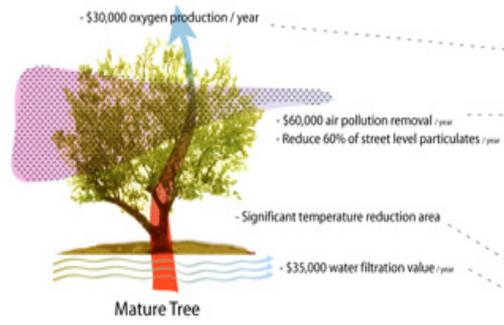
Planos Técnicos

Realidad Virtual

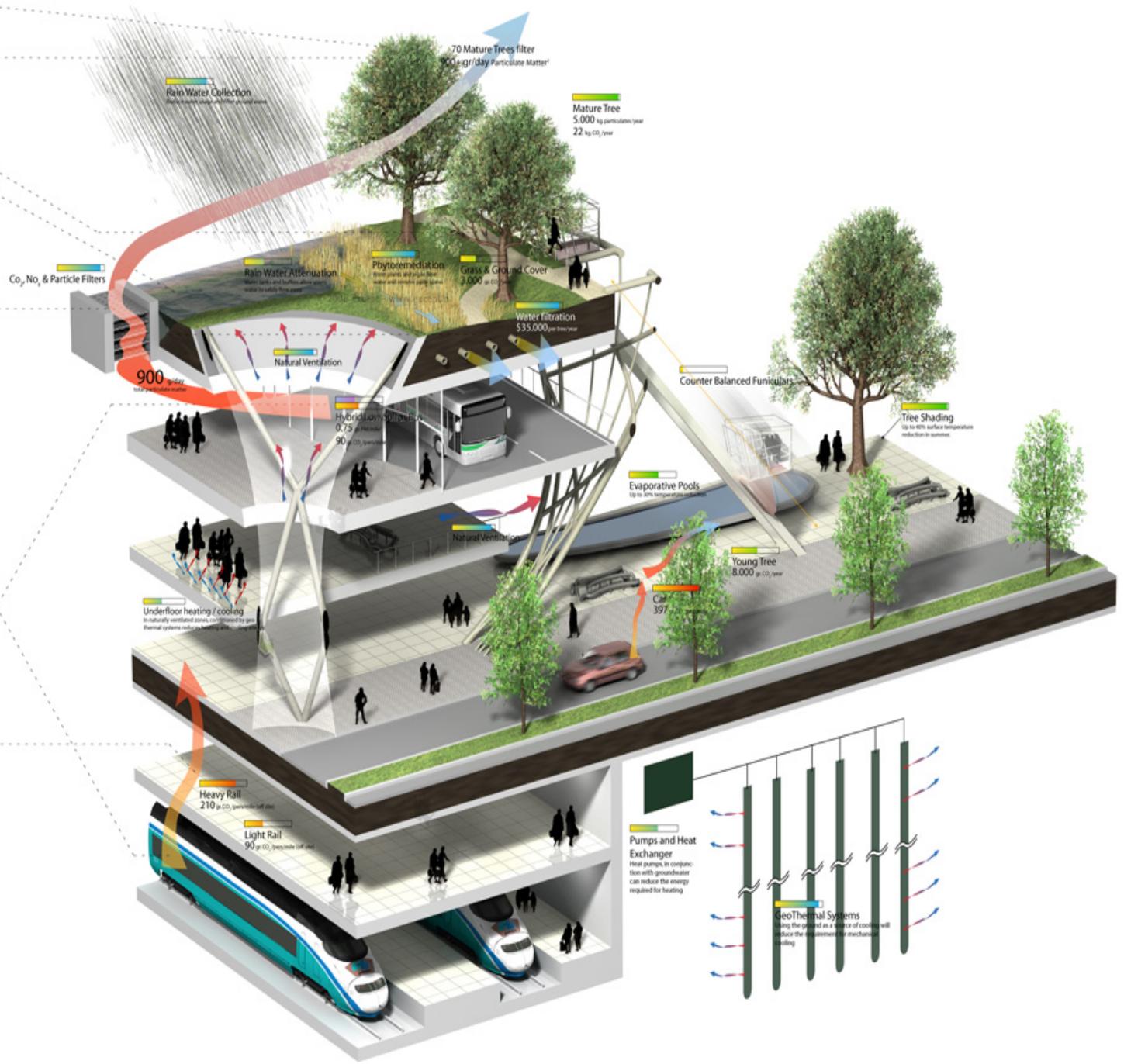
Animación

Mediciones

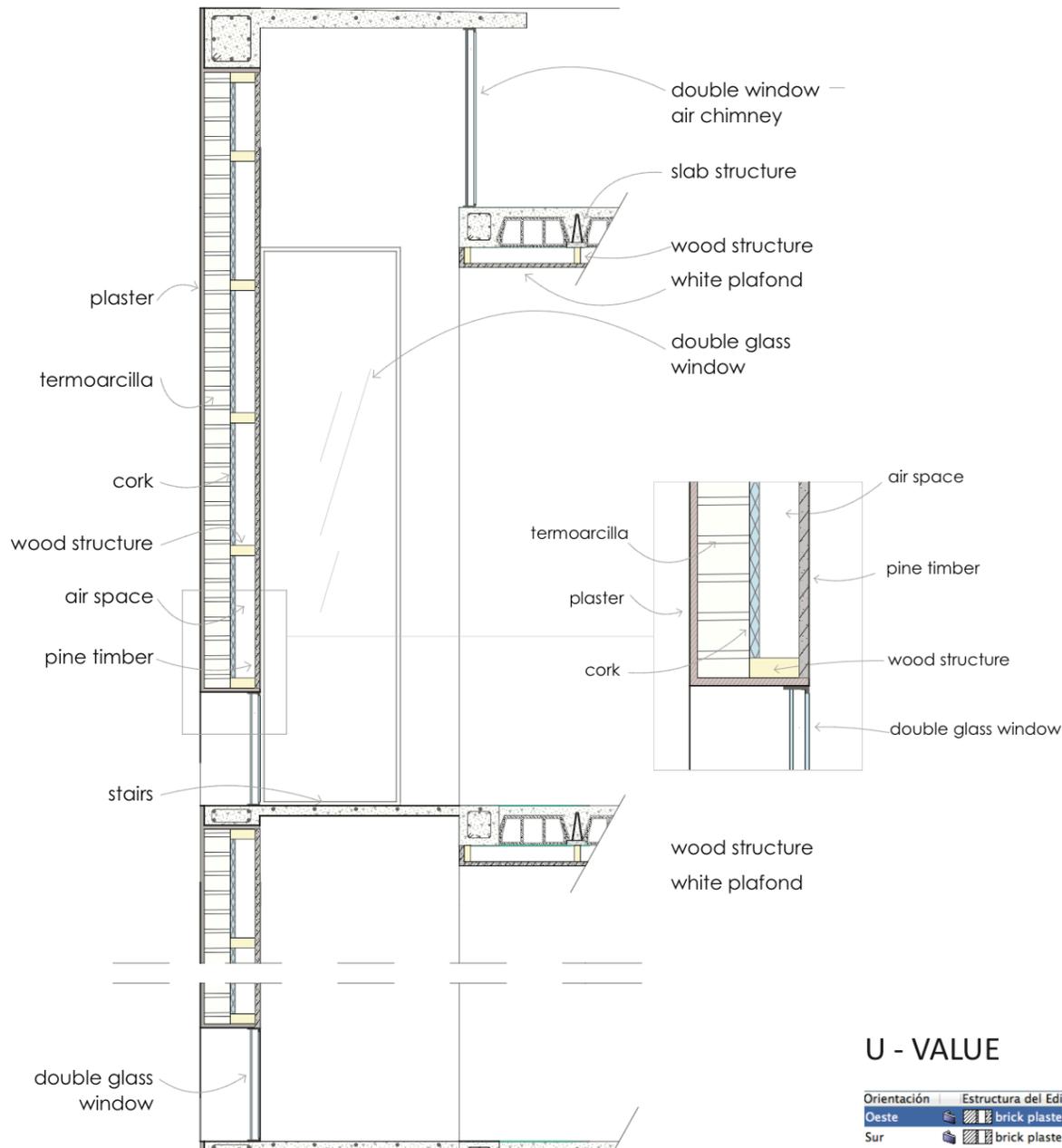




References:
 1. WRI (2002) THE GREEN HOUSE EFFECT: TRENDS AND PROJECTIONS. World Resources Report, 2002. World Resources Institute
 2. British Air Quality Information System (BAQIS) - London
 3. British Air Quality Information System (BAQIS) - London
 4. British Air Quality Information System (BAQIS) - London



FACADE SECTION



TERMOARCILLA WALL



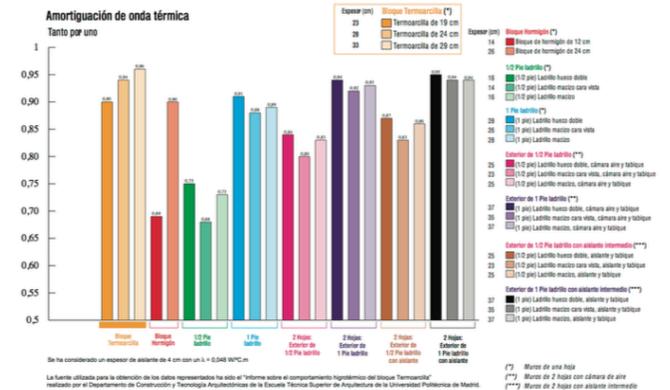
Ceramic blocks are naturally an insulating material. Termoarcilla take advantage and inforce this same material to be better.

INSULATION



Querbus Suber Tree is one of the recommended plants for El Paso, due to its low water use. El Paso is only 16 km away from Ciudad Juárez.

Thermal conductivity 0,04-0,30 (W·m-1·K-1)



U - VALUE

Orientación	Estructura del Edificio	Área [m2]	Espesor	Valor-U[W/m2K]	Superficie	Infiltración [l/sm2]
Oeste	brick plastered one side	79.26	0.30	0.32	Ladrillo - Brillante	Promedio (1.10)
Sur	brick plastered one side	49.19	0.30	0.32	Ladrillo - Brillante	Promedio (1.10)

Ansel Adams- Moonrise-Hernandez-New Mexico-1941



- “I had been photographing in the Chama Valley time to return to Santa Fe We were sailing southward..... saw an extraordinary situation
- - an inevitable photograph!
- I almost ditched the car and rushed to set up my 8x10 camera. I struggled to change components on my Cooke Triple-Convertible lens. I had a clear visualization... but when the Wratten No. 15 (G) filter and the film holder were in place, I could not find my Weston exposure meter!.....
- I was at a loss with the subject luminance values, and I confess I was thinking about bracketing several exposures, when I suddenly realized that I knew the luminance of the moon - 250 c/ft². Using the Exposure Formula, I placed this luminance on Zone VII; 60 c/ft² therefore fell on Zone V, and the exposure with the filter factor of 3x was about 1 second at f/32 with ASA 64 film. I had no idea what the value of the foreground was, but I hoped it barely fell within the exposure scale. Not wanting to take chances, I indicated a water-bath development for the negative.....

Ansel Adams- Moonrise-Hernandez-New Mexico-1941



Presentación de Ejemplos

Gracias