Thessaloniki Concert Hall-Building M2

Zeit-Studie	**Budget (€)**	**Arbeitgeber**
2006-2007	12.00	PANTECHNIKI SA-DIARCHON KION SA
	Besitzer	**Position**
	Thessaloniki Concert Hall Organization	Thessaloniki

The building B occupies a total floor area of 9860 m2. It houses a Grand Hall for convention and theater with 800 spectators capacity with a Foyer, a smaller convention hall with Foyer, Music Library, Musical Instrument Museum, electromechanical spaces, storage and personnel spaces, restaurant-cafeteria, and underground parking of 227 cars capacity. The architectural concept design was executed by Arata Isozaki.

The building is founded on a general slab on piles. A special characteristic of the building is the roof of the Great Hall. Metal trusses bear a composite concrete slab as well as all the electromechanical equipment (lighting bridges, catwalks, etc. The slab on top is the floor of the open-air foyer of the second smaller convention hall. The elevation towards the sea does not have intermediate columns and is covered by a self-supported glass panel.

The building is analyzed totally using shell finite elements. A special problem during construction was the casting of a compact 80cm thick slab 15m above the previous already casted slab. A specific analysis of the suporting system was carried out and due to the fact that the slab beneath could not bear the loads, the supports were extended two floors below.

General View



General View



Genetal View of both MMTH buildings



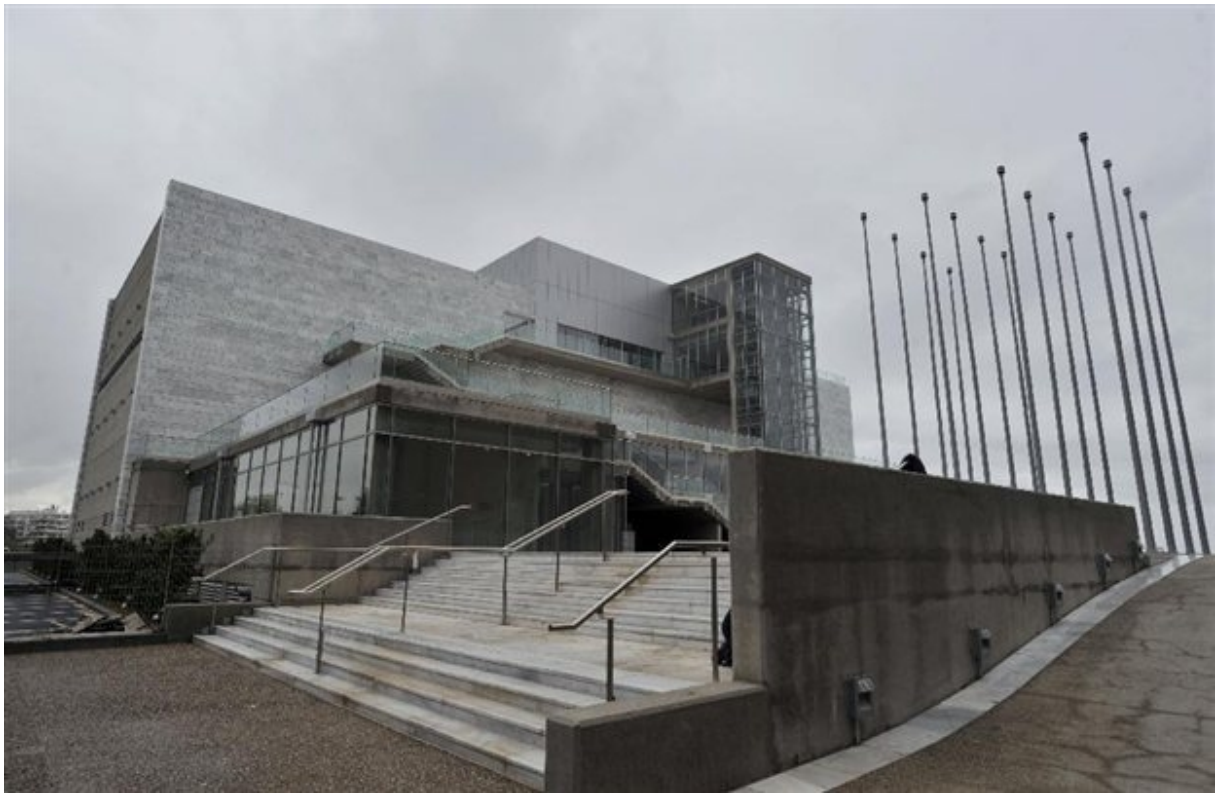
Night View



Building View from surrounding area



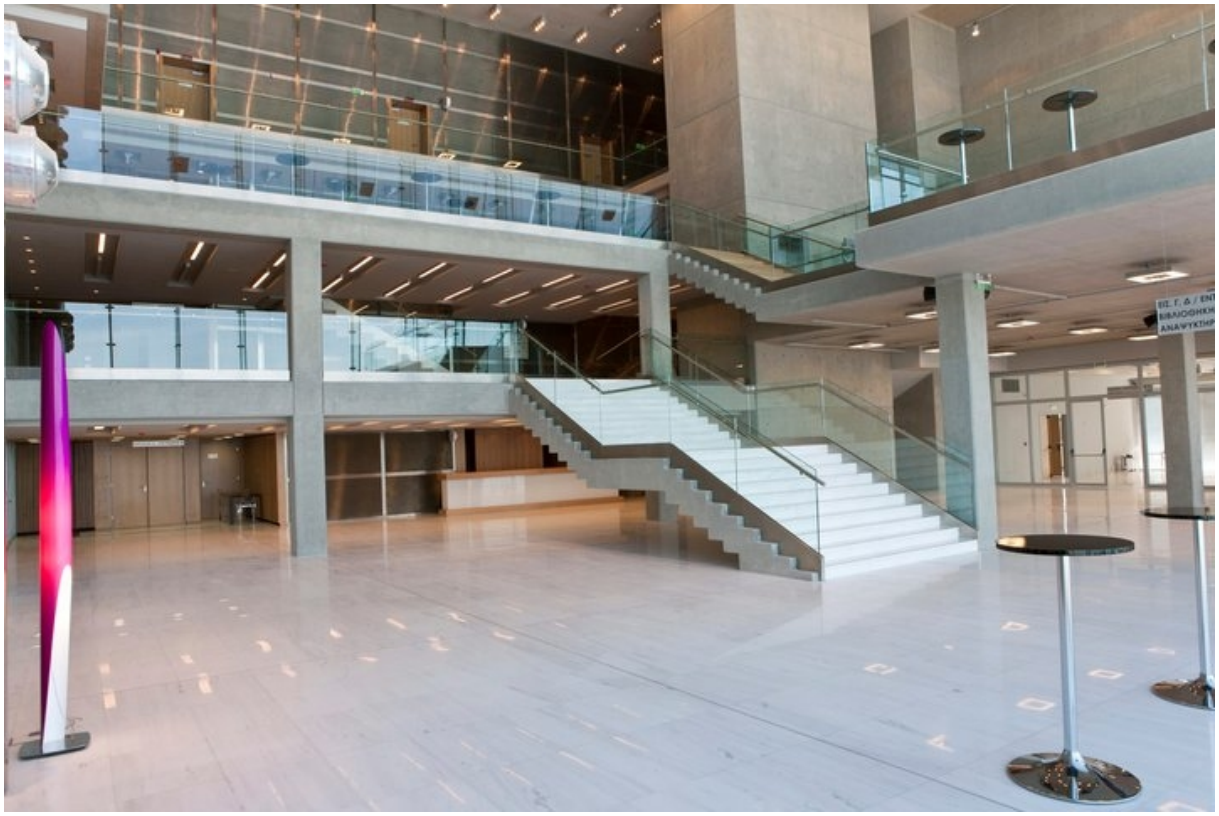
Building View from surrounding area



Main Theater Hall



Foyer-Main Entrance



Foyer



Foyer



Descending the staircase



View during construction



View during construction



Framework support during casting



Main Hall Steel Roof Erection





