




ASSIGNMENT NAME:	Alexandrio Melathron Thessaloniki –Enhancements – Repair – Rehabilitation	
Country:	GREECE	
Location:	Thessaloniki	
Client:	Ministry Of Culture. – KLEARHOS ROUTSIS S.A.	
Start date (month / year):	2004	
Completion date (month / year):	2005	
Other members of partnership (if any):	Architectural Design: VAS. FLOUDAS E.E. E/M Design: ΗΛ.Μ.Ε.Ε. P. EFSTATHOPOULOS, N. EMMANOUIL & ASSOCIATES	
Consortium Leader:	V. Floudas	
Construction Cost (€):	3.000.000 €	
Value of the Services provided / Participation	183.000 € / 100%	
Assignment state:	The design has been successfully implemented	
		
		
Narrative description of Project:		
<p>The provided services of the design include the following work areas:</p> <ol style="list-style-type: none"> 1. Pathology evaluation of the main bearing structural system. repair and rehabilitation design. 2. Design of other secondary new constructions made of reinforced concrete and structural steel. 3. Total Structural and Antiseismic Vulnerability Assessment Design. <p>The building is circular (diameter 75m) and it's made of both reinforced and prestressed concrete.</p> <p>The repair and strengthening process includes C-FRP and G-FRP use. <u>Pushover Analysis</u> was applied for the Structural and Antiseismic Vulnerability Assessment, in order to define the exact primary behavior factor of the structure.</p>		
Description of services provided within the assignment:		
<p>The services covered the fields of:</p> <ul style="list-style-type: none"> • Structural and Antiseismic Vulnerability Assessment. (pushover analysis) • Pathology Evaluation and Rehabilitation Design. • New Constructions Structural Design • Detailed Design - Repair and Strengthening Proposal 		