

EUREKA PROJECT E!1384 - EUROCARE THEATETH

1. General description

Project	E! 1384 - EUROCARE THEATETH	Status	Finished - 12-FEB-1999
Title	Research And Conservation Of The Theatre At Ephesus (Turkey)		
Class	Sub-Umbrella	Technological area	Environment
Start date	01-JAN-1996	End date	01-JAN-1999
Duration	36 months	Total cost	1.1 Meuro
Partner sought	No		
Summary	Building Research (Amassing Old/New Data), Archaeology (New Digs, Scientific Treatment Of Evidence), Restoration Measures (Used Materials, Preservation, Conservation), Building Measures (Statistical Research, Restoration And Anastylosis Works).		

Budget and duration

Phase	Budget(Meuro)	Duration (Months)
Definition phase	0.05	18
Feasibility phase	0.55	6
Full Exploitation	0.3	6
Implementation phase	0.2	36
Total	1.1	36

Member contribution

Member	Contribution	Position	Since
Austria	75.00%	Notified Finished	12-FEB-1999
Turkey	25.00%	Notified Finished	12-FEB-1999

Participants

Company	Country	Type	Role
Austrian Archaeological Institute Mimar Sinan Universitesi/Faculty Of Architecture	Austria Turkey	Research Institute University	Main Partner

2. Project outline

Project description

The project is based on:

- 1) Building Research (which provides regaining of evidence lost since the exposure of Theatre and additional data concerning its substance and structure), and
- 2) General Archaeology (by way of new excavation; important building parts will be revealed so that the understanding of phases and general building history will be much improved).

At the same time, scientific research of extant building materials has to be carried out in order to detect means of preserving affected original substances and surfaces. General Preservation and Conservation work has to be carried out on walls and other building materials, particularly at the stage of building and in the auditorium. The complete surface, like the exposed masonry of the substructions (mostly empty vaulted chambers which are now unsafe), has to be made resistant against weather and vegetation: broken marble pieces of the architectural order (which has partly to be identified among the debris of the surrounding areas) will be put together and if possible remounted at the original sites. Former modern building works which either disturb the general impression or are detrimental for the original material, have to be undone and replaced by individual new measures. The New Building Measures will contain: statistical Research and Analysis, preliminary conservation work of exposed surfaces etc., and regular Restoration Work. Here, certain new building measures, like the reconstruction of support walls and securing of broken substruction chambers will be necessary. Architectural Anastyloses (reconstructions) will be possible (but not necessary) at the building stage, the accesses (tunnels and staircases) and in the auditorium. The final aim of the work is additional scientific knowledge, instructive presentation of the building, and considerate and preserving new use of one of the biggest theatres of the ancient world.

Technological development envisaged

The project will add to the international efforts concerning preservation and re-use of ancient buildings. While great technological developments will not be expected, the project's main aim - a considerate and conservatory new use may become exemplary: for it is planned to preserve as much of the original substance as is still extant and to add as little modern material as possible; it is intended to regain an ancient theatre as a historical ruin and an auditorium without erecting a modern performance building.

Markets application and exploitation

Experience and methods developed during the project may be

applied at other ancient theatres and similar buildings.

Project codes

BSI

AUY	conservation
RBJ.D	building conservation
RDK.B	theatres
RXD.V	building maintenance
YUG	repair

NACE

92311	Live theatrical presentations
925	Library, archives, museums and other cultural activities
9252	Museum activities and preservation of historical sites and buildings

3. Main participant

Company	Austrian Archaeological Institute Franz-Klein-Gasse, 1 1190 Wien Austria
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Contact	Prof. Stefan Karwiese Senior Counsellor, Director Of Ephesus Excavation
	Tel +43 1 4277 27142 Fax
Organisation type Participant role	Research Institute Main

Contribution to project

Will manage and direct the whole project as the licence holder (all work is subject to Turkish regulations according to the given licence). All the infrastructure will be provided by the OAI.

Expertise

Research institute linked directly to the AUSTRIAN MINISTRY OF SCIENCE, RESEARCH AND ART.

4. Partner

Company	Mimar Sinan Universitesi/Faculty Of Architecture Meclisi Mebusan Cd., 800 40 Findikli Turkey
	Tel +90 1 252 1600 EXT. 299 Fax +90 1 251 75 67
Contact	Dr. Ibrahim Atac Teacher, Assistant Professor
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Organisation type Participant role	University Partner

Contribution to project

Will provide personnel (architects, technicians and students of architecture, etc.) and the necessary software and hardware.

Expertise

The Architectural Department of the Faculty of Architecture also specialises in building research. Its representatives are able to work on all projects relating to building reconstruction and re-use.