

ANABAΘMIZH - Research Project Fact Sheet

Title of Project	Development of an Interdisciplinary Research Center of “Energy Efficiency of the Built Environment” - completed
Project Acronym	ANABAΘMIZH
Funding Program	Strategic. Networking of RDI Programmes in. Construction and Operation of Buildings
Project Identifier	ANABAΘMIZH/ΠΑΓΙΟ/0308/33
Total Budget	400000€
Starting – Ending Date	12/2008-12/2012
Consortium	<ol style="list-style-type: none"> 1. University of Cyprus, Coordinator (CY) 2. Cambridge University (UK) 3. Massachusetts Institute of Technology (MIT) (USA) 4. Cyprus Scientific and Technical Chamber (ETEK) (CY) 5. Energy Service, Cyprus Ministry of Commerce Industry and Tourism, Cyprus (CY)
Project Objectives	<p>The specific scientific and technological objectives of the project consist in the development of an integrated approach for the methodological approach of urban climatology and environmental fluid issues, based on three pillars:</p> <ol style="list-style-type: none"> 1. The implementation of comprehensive experimental thermofluids measurements on laboratory scale 2. The implementation of field measurements, 3. The employment of advanced computational thermofluids methods <p>Through the implementation of the project, the University of Cyprus attempted to upgrade its existing hardware equipment as follows</p> <ol style="list-style-type: none"> 1. Upgrade its Particle Image Velocimetry (PIV) system from two-dimensional (2D) to three-dimensional (3D) 2. Develop a temperature measurement system in laboratory and field level for urban climate measurements
Work Packages	<p>WP1: Project Management</p> <p>WP2: Project Dissemination and Exploitation of Results</p> <p>WP3: Procurement, purchase and installation of hardware equipment</p> <p>WP4: Operation and calibration of equipment</p> <p>WP5: Pilot studies: Processing and interpretation of measurements: Flow measurements</p> <p>WP6: Pilot studies: Processing and interpretation of measurements: Field measurements</p> <p>WP7: Horizontal interdisciplinary synergy: Sensors customization</p> <p>WP8: Horizontal interdisciplinary synergy: Thermal comfort and improvement of wellbeing</p> <p>WP9: Literature review: State of the art in urban climatology</p>
External Reference	-
Role in the Project	Principal Investigator