Dr.-Ing. Paris A. Fokaides
paris.fokaides@gmail.com
http://www.serg-web.com

Research Project Fact Sheet

Title of Project	**Development of an Interdisciplinary Research Center of "Energy Efficiency of the Built Environment"**
Project Acronym	ΑΝΑΒΑΘΜΙΣΗ
Funding Program	Strategic. Networking of RDI Programmes in. Construction and Operation of Buildings
Project Identifier	ΑΝΑΒΑΘΜΙΣΗ/ΠΑΓΙΟ/0308/33
Total Budget	400000€
Starting – Ending Date	12/2008-12/2012
Consortium	1. University of Cyprus, Coordinator 2. Cambridge University, UK 3. Massachusetts Institute of Technology (MIT), USA 4. Cyprus Scientific and Technical Chamber (ETEK) 5. Energy Service, Cyprus Ministry of Commerce Industry and Tourism, Cyprus
Project Objectives	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: 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 Through the implementation of the project, the University of Cyprus attempted to upgrade its existing hardware equipment as follows 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	WP1: Project Management WP2: Project Dissemination and Exploitation of Results WP3: Procurement, purchase and installation of hardware equipment WP4: Operation and calibration of equipment WP5: Pilot studies: Processing and interpretation of measurements: Flow measurements WP6: Pilot studies: Processing and interpretation of measurements: Field measurements WP7: Horizontal interdisciplinary synergy: Sensors customization WP8: Horizontal interdisciplinary synergy: Thermal comfort and improvement of wellbeing WP9: Literature review: State of the art in urban climatology
External References	-