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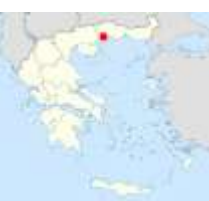

***INFRASTRUCTURE WORKS DESIGN***  
***CONSULTANT ENGINEERS***  
***PUBLIC AND PRIVATE PROJECTS DEVELOPMENT***




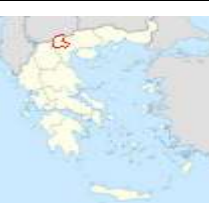

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**MAIN PROJECTS PRESENTATION**

PROJECT TYPE	DATES	CLIENT	PROJECT TITLE	PROJECT PURPOSE – KEY INFORMATION	Expertise	Master Plans / Feasibility Studies	Preliminary Design	Final Design	Bidding Documents	Environmental Imp. Assessment	Economic / Tech Studies	Technical Support	PROJECT LOCATION
CONSULTANCY - WATER SUPPLY	October 2016 – December 2016	MUNICIPAL WATER - WASTEWATER UTILITY OF PELLA. (Region of Central Macedonia, County of Pella - Greece)	TECHNICAL SUPPORT TO MMWU OF PELLA FOR THE SUBMISSION OF A FINANCING PROPOSAL TO M.O.U OF CENTRAL MACEDONIA, "NEW WATER SUPPLY DRILLINGS AND INSTALLATION OF TWO WATER TANKS IN THE MUNICIPALITY OF PELLA"	<p>The <b>purpose</b> of the project was the <b>Technical and advisory support</b> for:</p> <p>(a) defining the 6 new drillings location and the water quantity evaluation, according to the needs of each community</p> <p>(b) designing the supply lines from each new drilling to the community's water tank</p> <p>(c) designing 2 new tanks (pre-constructed steel tanks).</p> <p><b>Key information:</b></p> <ul style="list-style-type: none"> <li>▪ Population Served: 250 habitants</li> <li>▪ Design time horizon: 30 years (networks)</li> <li>▪ Pipe Network length: 7,5km</li> <li>▪ Construction cost est: 1.435.000€ (VAT not inc.)</li> </ul>		✓	✓				✓	✓	
SEWAGE - DRAINAGE	Mars 2015 – ongoing	OLYMPIADA (Municipal Utility of Katerini Municipality)	DESIGN OF DRAINAGE SYSTEM AND WASTEWATER SYSTEM FOR OLYMPIADA COMMUNITY (Municipality of Katerini – County of Pieria, Region of Central Macedonia – GREECE)	<p>The <b>purpose</b> of the project was the <b>design</b> of:</p> <p>(a) the sewerage network,</p> <p>(b) the main collectors of wastewater to the wastewater treatment plant (WWTP) and</p> <p>(c) the drainage network for the seaside holiday resort of Olympiada</p> <p><b>Key information:</b></p> <ul style="list-style-type: none"> <li>▪ Population Served: 9.000 habitants</li> <li>▪ Design time horizon: 40 years (networks)</li> <li>▪ Design time horizon: 20 years (E/M equipment))</li> </ul>		✓		✓	✓			✓	
WATER SUPPLY	April 2014 – ongoing	Construction Associations of: 1. Gendarmerie Officers, 2. Engineers of Kozani region 3. Bank clerks of Northern Greece	DESIGN OF WATER DISTRIBUTION NETWORK FOR KRIARITSI COMMUNITY (Municipality of Sithonia – County of Chalkidiki, Region of Central Macedonia – GREECE)	<p>The <b>purpose</b> of the project was the <b>design</b> of:</p> <p>(a) the main water supply network from the water reservoirs (tanks) to three distribution nodes</p> <p>(b) the water tanks (concrete structures) -water storage capacity 5.000m<sup>3</sup>.</p> <p>(c) the water supply pipelines from drilling positions to the water tanks for the seaside holiday resort of Kriaritsi</p> <p><b>Key information:</b></p> <ul style="list-style-type: none"> <li>▪ Population Served: 9.000 habitants</li> <li>▪ Design time horizon: 30 years</li> <li>▪ Pipe Network length: 10,2km</li> <li>▪ Construction cost est. 600.000€ (VAT not inc.)</li> </ul>				✓			✓	✓	

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CONSULTANCY - TECHNICAL SUPPORT	May 2013 – Mars 2015	Management Organisation Unit (M.O.U.) for Development Programs in the Region of Western Macedonia, Kozani	TECHNICAL EVALUATION OF DEVELOPMENT PROGRAMS AND PROJECTS (co-funded from EU)	The <b>purpose</b> of the project was the <b>technical and advisory support</b> provided M.O.U., in order to help in the evaluation and acceleration of the procedures for the Development Programmes co-financed by the EU in the framework of R.O.R. <b>Key information:</b> Four road-work projects were evaluated, among them one regarding a tunnel construction and one regarding landslides rehabilitation.								✓	
WATER SUPPLY	December 2010 – ongoing	MUNICIPALITY OF DION (Region of Central Macedonia, County of Pieria)	DESIGN OF WATER SUPPLY LINE NETWORK FOR SEVEN COMMUNITIES OF THE MUNICIPALITY	The <b>purpose</b> of the project was the <b>design</b> of: (a) the evaluation of water needs for each village (b) the water supply lines from the water refinery to each village tank (c) the replacement of old network segments in the villages <b>Key information:</b> ▪ Population Served: 20.000 habitants ▪ Design time horizon: 30 years (networks) ▪ Pipe Network length: 23,3km ▪ Construction cost est: 1.450.000€ (VAT not inc)			✓		✓				
ROAD	October 2009 – December 2015	REGION OF EPIRUS - DIVISION OF TECHNICAL WORKS, Ioannina	DESIGN OF NIARCHOU ROAD (city of Ioannina, Region of Epirus – GREECE)	The <b>purpose</b> of the project was the <b>design</b> of: (a) upgrade of Niarchou str, to dual lane speedway (b) the Service Road network (c) 4 roundabouts and 1 interchange (d) the drainage network for both the road and the surrounding urban area <b>Key information:</b> ▪ Speedway length: 4,5km ▪ Service Roads length: 9,5km ▪ Construction cost est: 18.000.000 (VAT not inc)				✓	✓	✓			
WASTE MANAGEMENT	November 2008 – Mars 2009	MUNICIPALITY OF VOULIAGMENI (Region of Attica)	STUDY FOR THE SELECTION OF THE WASTE RECYCLING METHOD FOR VOULIAGMENI MUNICIPALITY (Region of Attica – GREECE)	The <b>purpose</b> of the project was the <b>research and evaluation</b> for choosing the optimum recycling system. <b>Key information:</b> ▪ Among the solutions examined were the underground tanks, the location of transfer stations etc.			✓				✓		

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DRAINAGE - ROAD	October 2008 – October 2009	J&P-AVAX Constuction Group	EGNATIA HIGHWAY: IMPLEMENTATION STUDIES FOR SECTIONS 12.1.1 and 12.1.2 (from Strymonas river to Symbolo mountain tunnel, Region of Central Macedonia - GREECE)	The <b>purpose</b> of the project was the <b>implementation study</b> of: (a) the drainage for the main road and the service roads (b) the land-improvement works for the surrounding rural area (c) the Service Road network <b>Key information:</b> ▪ Land improvement ditches length: 30km ▪ Service Roads length: 13km				✓			✓		
HYDROLOGY	September 2008 – April 2010	EGNATIA ODOS S.A. (Ministry of Public Works - Greece)	FINAL HYDRAULIC DESIGN (FLOOD CONTRO WORKS) FOR SECTION 12 (subsection from km 17+500 to km 33+000), ALONG THE STREAM VALLEY OF MARMARAS RIVER	The <b>purpose</b> of the project was the <b>design</b> of: (a) a new IDF ( <i>Intensity-Duration-Frequency</i> ) curve for the area (b) design of the flood protection system for Marmaras river and its tributaries <b>Key information:</b> ▪ Marmaras river basin area: 180km <sup>3</sup>		✓		✓				✓	
HYDROLOGY - EXPERTISE	Mars 2008 – September 2008	EGNATIA ODOS S.A. (Ministry of Public Works - Greece)	EXPERTISE FOR THE FLOODS OF 17 AND 18 NOVEMBER 2007 IN SECTION 12 OF THE EGNATIA MOTORWAY FROM KM20 + 000 TO KM31 + 000, ALONG THE STREAM VALLEY OF MARMARAS RIVER (from Strymonas river to Symbolo mountain tunnel, Region of Central Macedonia - GREECE)	The <b>purpose</b> of the expertise was: (a) Comparative evaluation of floods occurred in the region – hydrological analysis (b) Evaluation of existent IDF ( <i>Intensity-Duration-Frequency</i> ) curves. (c) Preliminary conclusions – guidelines for the flood protection study to be conducted	✓								
ROAD - DRAINAGE	Mars 2008 – August 2009	REGION OF CENTRAL MACEDONIA - DIVISION OF ROAD WORKS, Thessaloniki - Greece	Completion of road network in the section between Kopanos I/C and Edessa I/C, on "Egnatia Highway-Edessa National Road" axis	The <b>purpose</b> of the project was the <b>design</b> of: (a) the Service Road network (b) 2 full developed Interchanges (c) the drainage network for both the main axis and the Service Roads (d) Upgrade/rehabilitation of the irrigation network crossing the works area <b>Key information:</b> ▪ Speedway length: 5,4km ▪ Service Roads length: 9,5km				✓	✓				

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CONSULTANCY - TECHNICAL SUPPORT	Mars 2007 – February 2010	MINISTRY OF ECONOMICS (Greece)	TECHNICAL ADVISOR OF THE <b>MANAGEMENT ORGANISATION UNIT</b> (M.O.U.) OF DEVELOPMENT PROGRAMS FOR THE PERIOD 2000-2008 IN THE REGION OF WESTERN MACEDONIA, Kozani, Greece	The <b>purpose</b> of the project was the <b>Technical and advisory support</b> provided to local authorities, in order to help in the evaluation and acceleration of the procedures for the Development Programmes co-financed by the EU in the framework of R.O.R. <b>Key information:</b> ▪ Projects evaluated/monitored: >150								✓	
WATER SUPPLY	Mars 2005 – May 2005	MUNICIPAL WATER - WASTEWATER UTILITY OF IOANNINA. (Region of Epirus, County of Ioannina - Greece)	EXPANSION, UPGRADING AND MODERNIZATION OF WATER SUPPLY NETWORK OF IOANNINA MUNICIPALITY (ZONE 1)	The <b>purpose</b> of the project was: (b) <b>the dimensioning</b> (calculations) for several segments of the water supply network and their implementation on the existing network.			✓	✓					
SEWAGE	Mars 2005 – May 2005	MUNICIPAL WATER - WASTEWATER UTILITY OF IOANNINA. (Region of Epirus, County of Ioannina - Greece)	EXPANSION, UPGRADING AND MODERNIZATION OF WATER SUPPLY NETWORK AND SEWAGE NETWORK OF IOANNINA (DISTRICTS OF VRISOYLA, LASPOTOPOS, VOTANIKOS)	The <b>purpose</b> of the project was the <b>design</b> of: (a) the sewerage network for newly constructed districts of Ioannina (b) the evaluation of the existent network in order to receive the new pipe couplings <b>Key information:</b> ▪ network length: 31,2km ▪ Construction cost est: 8.400.0000€ (VAT not inc)	✓	✓			✓	✓			
AMS - IRRIGATION	October 2004 – June 2005	EUROAP (COMPANY FOR THE DEVELOPMENT OF PELLA), Company of the county of Pella District	DESIGN OF EARTH EMBANKMENTS IN PELLA DISTRICT	The <b>purpose</b> of the project was the <b>design</b> of 12 small, medium and large earth embankments in several communities of Pella district, for the enhancement of local cultivators. <b>Key information:</b> ▪ max embankment height: 25,00m ▪ max storage capacity: 1.300.000m <sup>3</sup>			✓			✓	✓		
RESTORATION	November 2003 – November 2004	COMMUNITY OF VOVOUSSA (Region of Epirus, County of Ioannina - Greece)	MILD AESTHETICAL INTERVENTION IN VOVOUSSA FOR THE TOURISTIC DEVELOPMENT AND PROMOTION OF CULTURAL MONUMENTS	The <b>purpose</b> of the project was the architectural <b>design</b> for the rehabilitation/promotion of the stone bridge, the village entrance area and the cobbled roads and paths.			✓						

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RESTORATION	December 2001 – June 2003	COMMUNITY OF VOVOUSSA (Region of Epirus, County of Ioannina - Greece)	RESTORATION OF OLD STONE FOUNTAINS	The <b>purpose</b> of the project was the architectural <b>design</b> for the rehabilitation/restoration of 4 old stone fountains located in various parts of the village				✓					
WATER SUPPLY	June 2001 – February 2003	MUNICIPALITY OF GORGIANI (Region of Western Macedonia, County of Grevena)	DESIGN OF NEW WATER SUPPLY NETWORK FOR THE COMMUNITY OF KALITHEA.	The <b>purpose</b> of the project was the <b>design</b> of: (a) the water supply pipe network in the village (b) the water supply line from the water tanks to the village entry and the connection with the village network <b>Key information:</b> <ul style="list-style-type: none"> <li>▪ Population Served: 250 habitants</li> <li>▪ Design time horizon: 30 years (networks)</li> <li>▪ Pipe Network length: 5,1km</li> <li>▪ Construction cost est: 270.000€ (VAT not inc)</li> </ul>			✓		✓			