

**YFANTIS ENGINEERING Ltd**  
**MAIN MECHANICAL - ELECTRICAL PROJECTS REFERENCE LIST**

No.	Project	Employer	Area	Type	Design period	Construction period	MEP budget (€)	Scope of work - Description	Technical data
1	Lytlos Mare	Sapounakis SA	Hersonisos, Crete, Greece	Hotel	2019-2020	under construction	8.000.000	Complete design of MEP installations.	1.800kW cooling capacity, 1.000kW heating capacity, 1530 beds 31.650 m <sup>2</sup> total built-up area
2	Arina Beach (renovation of Phase A)	Sapounakis SA	Heraklion, Crete, Greece	Hotel	2019	2020	2.700.000	Complete redesign of MEP installations. Combined sea water geothermal system (R/O & HVAC).	850W cooling capacity, 500kW heating capacity, 127 beds
3	Lytlos Beach Extension (Deluxe rooms, New Reception, Pools, Spa & Gym)	Sapounakis SA	Hersonisos, Crete, Greece	Hotel	2018-2019	2019	260.000	Complete design of MEP installations & Pools.	780kW cooling capacity, 164 beds + 2380m <sup>2</sup>
4	American Medical Center West Extension	American Heart Institute	Nicosia, Cyprus	Healthcare facility	2019	pending	2.150.000	MEP & BMS design for a new building in connection to the existing one.	2.600m <sup>2</sup> total built-up area 380kW cooling capacity, 240kW heating capacity
5	Biogas Power Plant	Bioenergy Crete (Sychem Group)	Industrial zone of Heraklion, Crete, Greece	Power plant	2016	2017	2.500.000	Complete design of MEP installations.	2.700m <sup>2</sup> total built-up area, 1.000kW electrical power output
6	Trilogy Limassol Seafront	Cybarco Development LTD (Lanitis Group)	Limassol, Cyprus	Residences, offices, retail, spa & gym	2017-2019	under construction	32.000.000	Mechanical & BMS design. Three high-rise towers. Sea water de-centralized geo-exchange system.	58.000m <sup>2</sup> total built-up area 11.400kW cooling capacity, 7.600kW heating capacity. 170m maximum elevation variation for building services
7	American Medical Center North & South Extension	American Heart Institute	Nicosia, Cyprus	Healthcare facility	2017	2018	3.100.000	MEP design for three additional floors and four additional operating rooms.	4.200m <sup>2</sup> total built-up area 600kW cooling capacity, 300kW heating capacity
8	New Sychem Factory (No.2)	Sychem SA	Industrial zone of Heraklion, Crete, Greece	Industry & offices	2016	2016	480.000	Complete design of MEP installations.	1.100m <sup>2</sup> , 80kW cooling capacity
9	Mixed use development in Abu Dhabi	Undisclosed Developer in Abu Dhabi	Abu Dhabi, UAE	Residences - 5* Hotel - Commercial	2014-2016	pending	95.000.000	Design of HVAC, Plumbing, BMS	21.000kW cooling capacity 280.000m <sup>2</sup> total built-up area 114m maximum elevation variation for building services
10	Mare Village	Mare Village SA	Paliouri, Halkidiki, Greece	Residences	2015-2016 (concept)	pending	4.200.000	Complete design of MEP installations. Combined sea water de-centralized geo-exchange system (R/O & HVAC).	2.800kW cooling capacity, 2.300kW heating capacity, 150 Residences
11	Limassol Marina - The Castle	Cybarco Development LTD (Lanitis Group)	Limassol, Cyprus	Residences	2014-2016	under construction	-	Design of sea water de-centralized geo-exchange system. Separate water source heat pump for each apartment on a common geo-exchange piping network. Design of apartment's small plant rooms for HVAC & DHW.	1.120kW cooling capacity 630kW heating capacity 61 apartments 9.850m <sup>2</sup> total built-up area 36m maximum elevation variation for building services 8 storeys +Ground floor +Basement
12	Mirragio Thermal Spa Resort 5*	Med Sea Health SA	Paliouri, Halkidiki, Greece	Hotel	2013-2014	2013-2016	11.000.000	Complete design of MEP installations & Pools. Combined sea water geothermal system (R/O & HVAC).	2.400kW cooling capacity, 1.300kW heating capacity, 1000 beds 32.500 m <sup>2</sup> total built-up area 67m maximum elevation variation for building services

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13	The Oval	Cybarco Development LTD (Lanitis Group)	Limassol, Cyprus	Office building	2012-2013	under construction	2.500.000	Complete design of Mechanical installations.	1.100kW cooling capacity 700kW heating capacity 16.850m <sup>2</sup> total built-up area 82m maximum elevation variation for building services
14	PML-Papastratos Aspropirgos Factory - Heat Recovery	Philip Morris International	Aspropyrgos, Greece	Industry	2012	2012	160.000	Design of air compressors heat recovery system.	280kW heating capacity,
15	CableNet	CableNet (Siakolas Group)	Nicosia, Cyprus	Office building & IT	2012	2013	-	HVAC system designs & supervision.	145kW cooling capacity (Phase A'), 160kW heating capacity, (Phase A')
16	Iron Forex	Iron FX	Limassol, Cyprus	Office building	2012-2013	2012-2013	-	Complete design of Mechanical installations. High efficiency air-cooled HVAC system	500kW cooling capacity, 315kW heating capacity, 2.100m <sup>2</sup> open plan area
17	Bakery & Food Factory - Ag. Sillas	Sigma Bakeries LTD	Limassol, Cyprus	Industry	2012	under construction	2.400.000	Complete redesign of MEP installations. Premium efficiency air-cooled HVAC system	7.000m <sup>2</sup> 700kW cooling capacity, 45kW heating capacity
18	Larnaca Port & Marina Redevelopment	Zenon Consortium	Larnaca, Cyprus	Regeneration & mixed use	2011-2012	cancelled	6.000.000 (Phase 1)	Complete design of MEP installations. Combined sea water geothermal system (R/O & HVAC).	12.650m <sup>2</sup> (Phase 1) 240.000m <sup>2</sup> (Phase 2&3)  1.650kW cooling capacity (Phase 1) 30.000kW cooling capacity (Phase 2&3)
19	Masterbatches Factory - Upgrade (Phase B)	Plastika Kritis SA	Industrial zone of Heraklion, Crete, Greece	Industry	2011	2011	190.000	Design of process cooling system for superior energy efficiency. Redesign of process cooling network for energy efficiency and dynamic balancing. Sea water geothermal system. BMS system.	540kW cooling capacity
20	Tertiary Treatment Upgrade and Irrigation Pipe Network Upgrade	Public water supply & waste water collection facilities	Hersonisos, Crete, Greece	Public facility	2010	2011	510.000	Study for upgrade of existing tertiary wastewater treatment and irrigation pipe network upgrade.	700 hectares of irrigation land. Total of 350m <sup>3</sup> /h irrigation pumps
21	American Medical Center	American Heart Institute	Nicosia, Cyprus	Healthcare facility	2010	2010	1.560.000	Redesign of HVAC, hot water supply and BMS systems for energy efficiency. Consulting services and site inspection of all mechanical and plumbing installations. Combined air cooled and closed loop geothermal system. Testing, Balancing & Start-Up for all mechanical installations	11.700m <sup>2</sup> , 55.200m <sup>3</sup> , 1.400kW cooling capacity, 650kW heating capacity
22	Sunrise Pearl Resort, 5*	Sunrise Hotels	Protaras, Cyprus	Hotel	2010	2011	765.000	Design & supervision of high efficiency air-source Central A/C and Domestic Hot Water Main Plant. (high temperature heat pumps, partial heat recovery, pools heating, BMS system).	765kW cooling capacity, 485kW heating capacity, 250 beds
23	New Masterbatches Factory	Plastika Kritis SA - Romcolor 2000 SA	Bucharest, Romania	Industry, offices & warehouse	2009-2010	2009-2010	1.865.000	Design of combined process cooling and HVAC system for superior energy efficiency. Open loop geothermal system. BMS system.	54.000m <sup>3</sup> , 900kW heating capacity, 510kW cooling capacity

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24	Fodele VIP & Thalasso, 5*	Giannikakis SA	Fodele, Crete, Greece	Hotel & Spa	2011-2013	pending	5.870.000	Complete design of MEP installations. Open loop geothermal system.	9.890m <sup>2</sup> , 42.263m <sup>3</sup> , 1.050kW cooling capacity, 340kW heating capacity, 292 beds
25	New Sychem Factory (No.1)	Sychem SA	Industrial zone of Heraklion, Crete, Greece	Industry & offices	2009	2011-2012	310.000	Complete design of MEP installations. Consulting services and site inspection of MEP installations. Combined sea water geothermal system (R/O & HVAC).	4.460m <sup>2</sup> , 120kW cooling capacity
26	PE Pipes Factory - Upgrade of process cooling network	Plastika Kritis SA	Industrial zone of Heraklion, Crete, Greece	Industry	2009	2010	48.000	Redesign of process cooling network for energy efficiency and dynamic balancing.	410kW cooling capacity
27	Elounda Peninsula Diamond Residences	Elounda Hotels SA	Elounda, Crete, Greece	Residences	2009	2009-2013	3.400.000	Complete design of MEP installations. Consulting services and site inspection of MEP installations. Sea water distributed geothermal system. Separate water source heat pump for each residence on common geothermal water network. Central heat pumps for pools heating.	275kW cooling capacity, 300kW heating capacity 21 villas
28	Amathus Beach 5* Hotel - Renovation & Extension	Lanitis Group	Limassol, Cyprus	Hotel & Spa	2008	2009	1.150.000	Design of combined sea water geothermal system (Reverse osmosis, cooling and heating system). Design of new Spa's mechanical and plumbing installations.	1.700kW cooling capacity, 400kW heating capacity, 610 beds
29	Aura Spa - Extension of Ikaros Village Luxury Resort	Star Group	Malia, Crete, Greece	Spa	2008	2008-2009	830.000	Complete design of MEP installations. Consulting services and site inspection of MEP installations.	840m <sup>2</sup> , 348kW cooling capacity
30	Elounda Mare, 5* - Renovation & Extension	Elounda Hotels SA	Elounda, Crete, Greece	Hotel	2007-2008	2008	520.000	Complete design of MEP installations for extensions. Consulting services and site inspection of MEP installations. Sea water geothermal hot water system.	385kW heating capacity
31	Masterbatches Factory - Upgrade (Phase A)	Plastika Kritis SA	Industrial zone of Heraklion, Crete, Greece	Industry	2007	2008	530.000	Design of combined process cooling and HVAC system for superior energy efficiency. Redesign of process cooling network for energy efficiency and dynamic balancing. Sea water geothermal system. BMS system.	350kW cooling capacity
32	Kontokali Bay, 5* Resort & Spa	Kontokali Bay SA	Corfu, Greece	Hotel	2007	2008	1.050.000	Design of sea water geothermal HVAC and hot water system. BMS system.	910kW cooling capacity, 105kW heating capacity
33	Westfalia Surge	Westfalia Technologies SA	Larissa, Greece	Industry & offices	2006	2007	340.000	Design of open loop geothermal HVAC and hot water system. BMS system. Central Solar Field.	36m <sup>2</sup> solar panels, 350kW cooling capacity, 400kW heating capacity
34	PE recycling unit - Upgrade (Phase A & B)	Plastika Kritis SA	Industrial zone of Heraklion, Crete, Greece	Industry	2006 & 2009	2006 & 2009	130.000	Phase A: Design of sea water geothermal cooling system. Phase B: Redesign of process cooling network for energy efficiency and dynamic balancing.	560kW cooling capacity
35	AKS Porto Heli, 4*	AKS Hotels	Porto Heli, Argolida, Greece	Hotel	2005	2006	1.020.000	Design of sea water geothermal HVAC and hot water system. BMS system. Central Solar Field.	600m <sup>2</sup> solar panels, 1.270kW cooling capacity, 428 beds

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36	Belvedere Royal & Imperial 4* Hotels	Hersonisos AETE	Hersonisos, Crete, Greece	Hotel	2006, 2012 (Plant Additions)	2006	2.100.000	Complete re-design of MEP installations. Design of sea water geothermal HVAC and hot water system. BMS system. Central Solar Field.	2.470m <sup>2</sup> solar panels 1.130kW cooling capacity 360kW heating capacity 1.340 beds 20.400m <sup>2</sup> total built-up area 51m maximum elevation variation for building services
37	Paradise Mare & Village 5* Hotels	Aldemar Hotels	Rhodes, Greece	Hotel	2003 & 2005	2003 & 2005	3.000.000	Design of sea water geothermal HVAC and hot water system. BMS system (Paradise Village). Central Solar Field.	1.950m <sup>2</sup> solar panels, 910kW cooling capacity (Paradise Village). Total of 2.000 beds
38	Knossos Royal Village, 5*	Aldemar Hotels	Hersonisos, Crete, Greece	Hotel	2005	2005	800.000	Design of sea water geothermal HVAC and hot water system. BMS system. Central Solar Field.	1.000m <sup>2</sup> solar panels, 1.410kW cooling capacity, 692 beds
39	Six Senses Spa	Elounda Hotels	Elounda, Crete, Greece	Spa	2005-2006	2006-2007	2.500.000	Complete design of MEP installations. Consulting services and site inspection of MEP installations.	3.500m <sup>2</sup> 420kW cooling capacity
40	Porto Elounda De Lux Resort , 5*	Elounda Hotels	Elounda, Crete, Greece	Hotel	2004	2004	1.500.000	Design of sea water geothermal HVAC and hot water system. BMS system. Central Solar Field.	950m <sup>2</sup> solar panels, 1.265kW cooling capacity, 396 beds
41	Cretan Village, 4*	Aldemar Hotels	Hersonisos, Crete, Greece	Hotel	2003	2003	600.000	Design of sea water geothermal HVAC and hot water system. BMS system. Central Solar Field.	1.050m <sup>2</sup> solar panels, 1.410kW cooling capacity, 688 beds
42	Candia Maris, 5*	Candia Maris SA	Gazi, Crete, Greece	Hotel	2002	2002	820.000	Design of sea water geothermal HVAC and hot water system. BMS system. Central Solar Field.	2.000m <sup>2</sup> solar panels, 1.410kW cooling capacity, 615 beds
43	AKS Hinitsa Bay, 4* Hotel	AKS Hotels	Spetses, Greece	Hotel	1999	1999	1.000.000	Central Solar Field	450m <sup>2</sup> solar panels, 432 beds