



G.K. MARINE LTD

6 SOTIROS DIOS ST., 185 35 PIRAEUS

GREECE

TEL.: +30 210 8225420, FAX: +30 210 8225175

website: <http://www.gkmarine.gr>

e-mail: info@gkmarine.gr



G.K.M International Lda

AVENIDA DE CABO VERDE

PARQUE EMRESARIAL DA PRAIA NORTE-LOTE 10

4900-350 VIANA DO CASTELO

PORTUGAL



**HVAC AND REFRIGERATION
SYSTEM DESIGN
EQUIPMENT SUPPLY
INSTALLATION
COMMISSIONING
AFTER SALES SERVICE**

COMPANY PROFILE

Constantly participating in a variety of complex projects, G.K. Marine Ltd offers design, engineering, installation, supervision, commissioning, technical assistance and service in various HVAC marine applications.

By supplying a wealth institutional knowledge, we are capable of developing innovative solutions and approach each project as a unique and new challenge.

Either our customers require a low-energy solution or they need to meet complicated high-level requirements and regulations, G.K. Marine Ltd takes complete responsibility of the entire process, from the initial design and engineering phases, to full installation.

Through our core competencies, we design, install and commission our own solutions and offer support and maintenance worldwide.

Our mission is to provide comprehensive solutions to our maritime and offshore customers, so as to enable regulatory compliance and operational efficiency.

SERVICES

Project Management

- ✓ Total Projects Responsibility
- ✓ Supervision
- ✓ Procurement & Budget Control
- ✓ Documentation Control
- ✓ Operating & Maintenance Manuals
- ✓ System Approval

Pre-study & Design

- ✓ Air Conditioning & Ventilation Systems for Accommodation, Service & Technical Areas
- ✓ Machinery Ventilation Systems
- ✓ Cargo Ventilation Systems
- ✓ Smoke Control Systems

Supply & Installation

- ✓ Supply & Installation of HVAC equipment
- ✓ Supply & Installation of ductwork
- ✓ Supply & Installation of Automation and Control Systems
- ✓ Supply & Installation of Refrigeration Systems

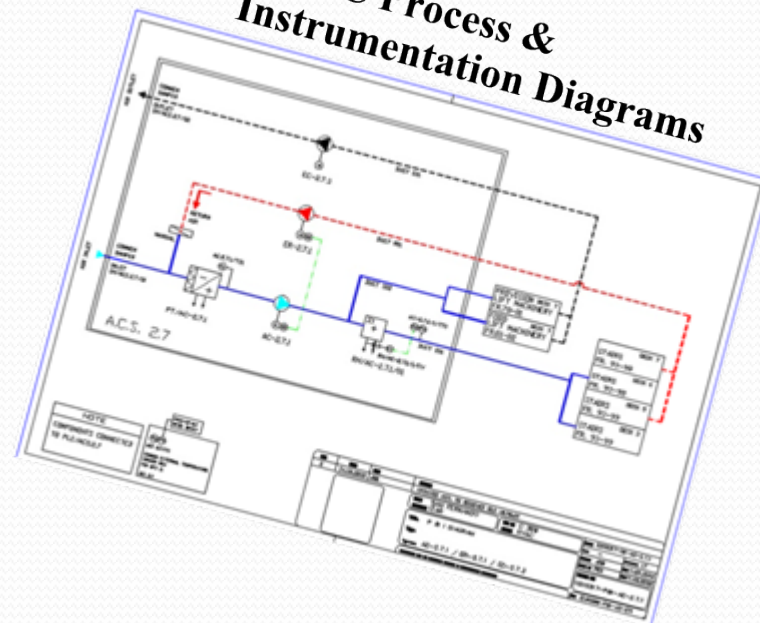
Commissioning

- ✓ Adjusting, Balancing & Commissioning of the complete system

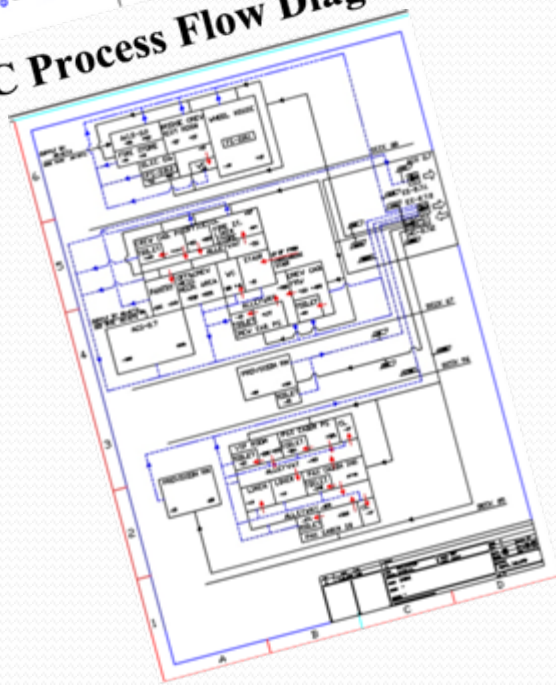
After Sales Service

- ✓ Service on demand

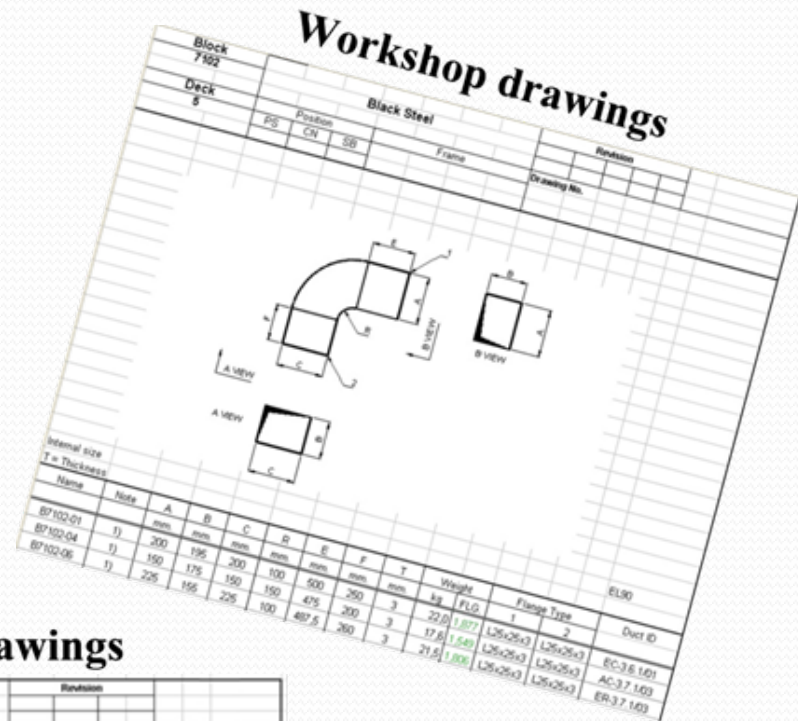
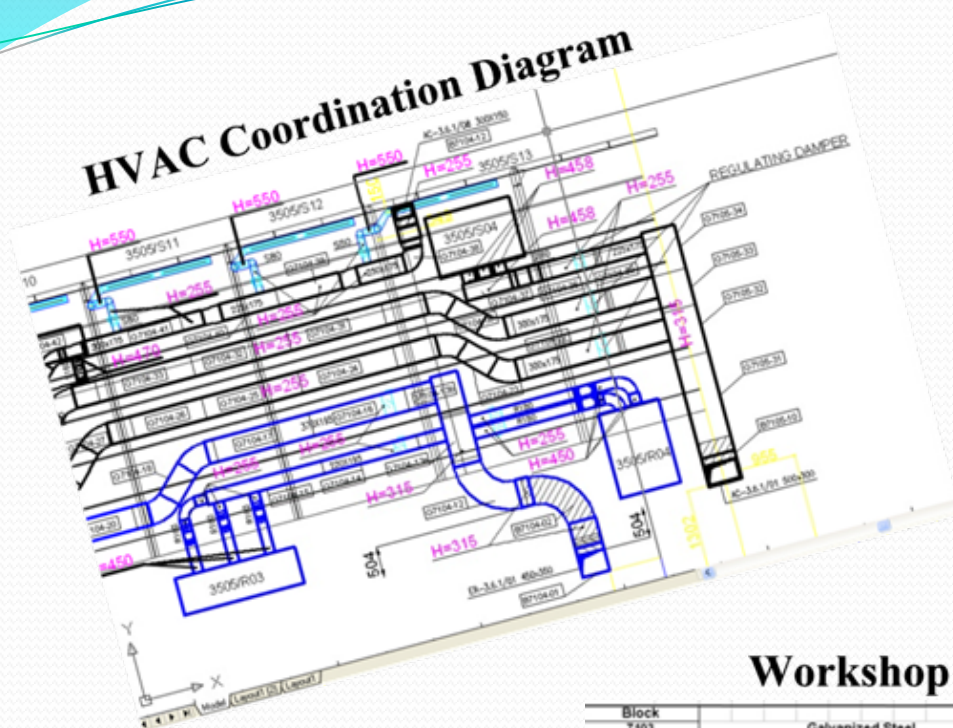
HVAC Process & Instrumentation Diagrams



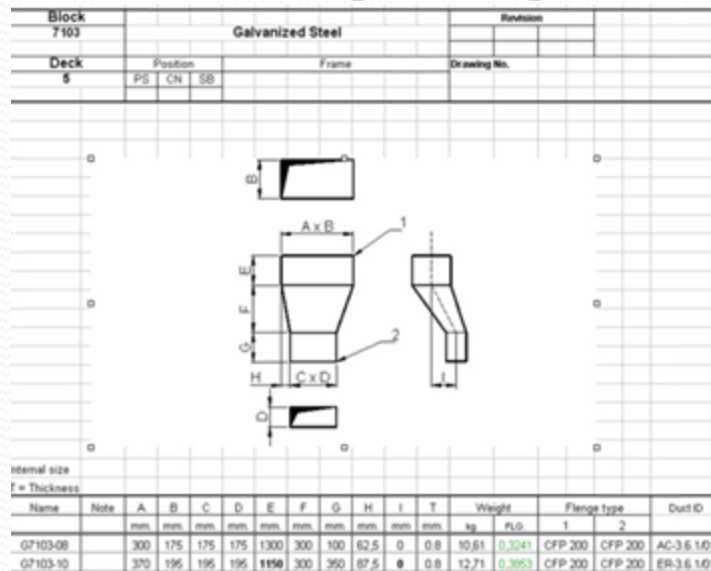
HVAC Process Flow Diagrams

[illegible]

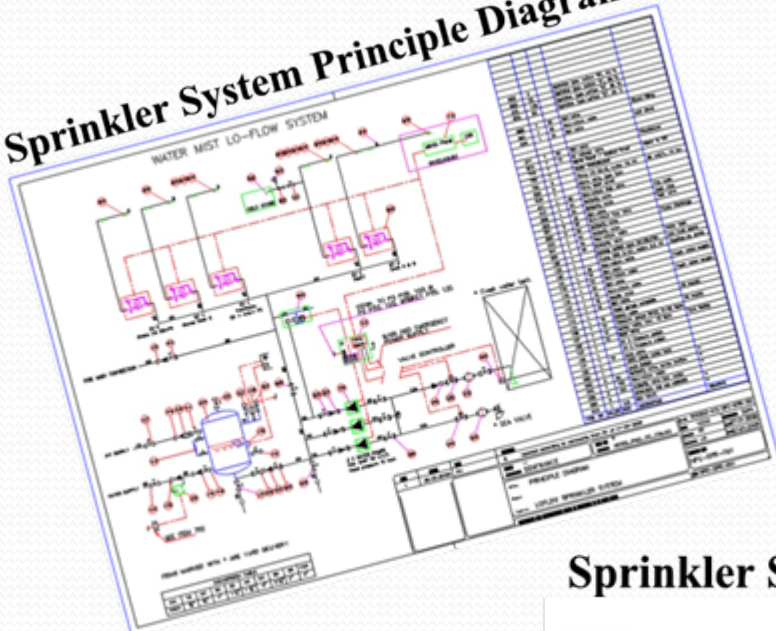
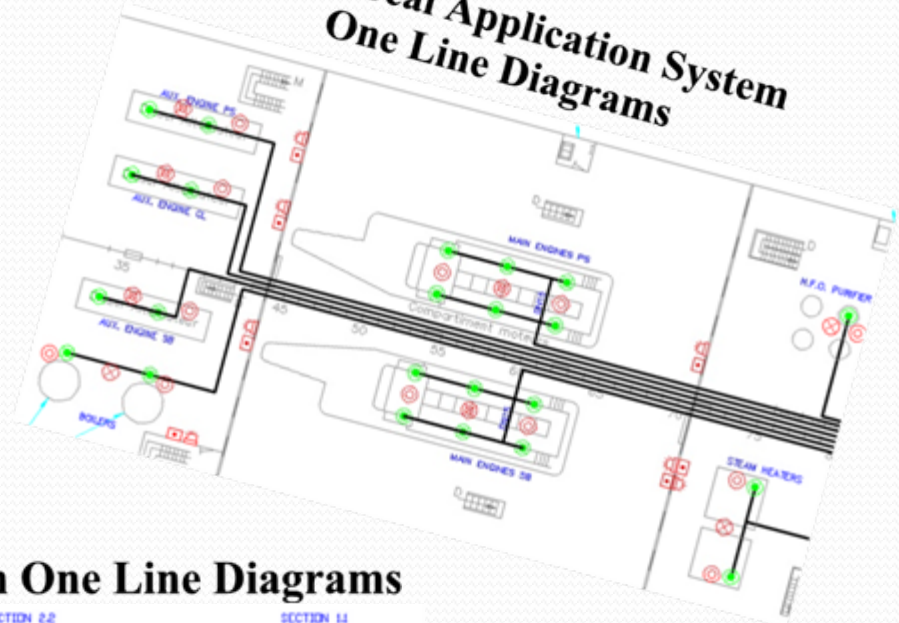
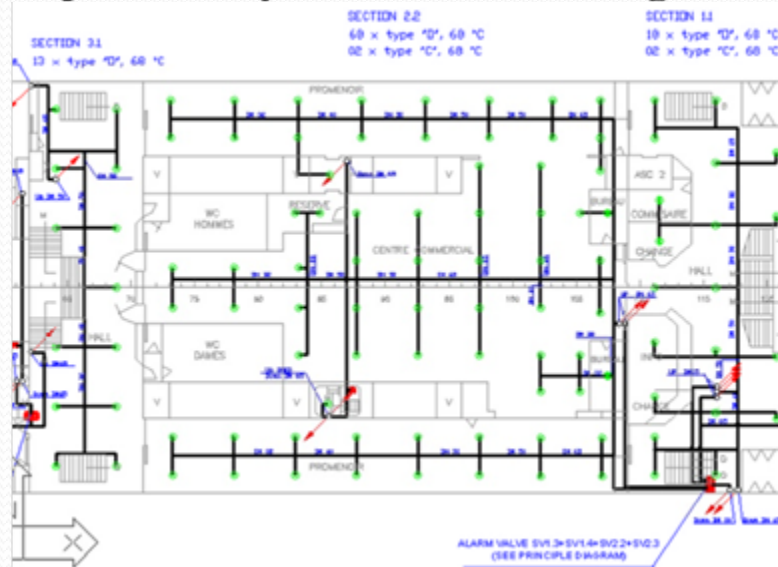
DOCUMENTATION



Workshop drawings



DOCUMENTATION

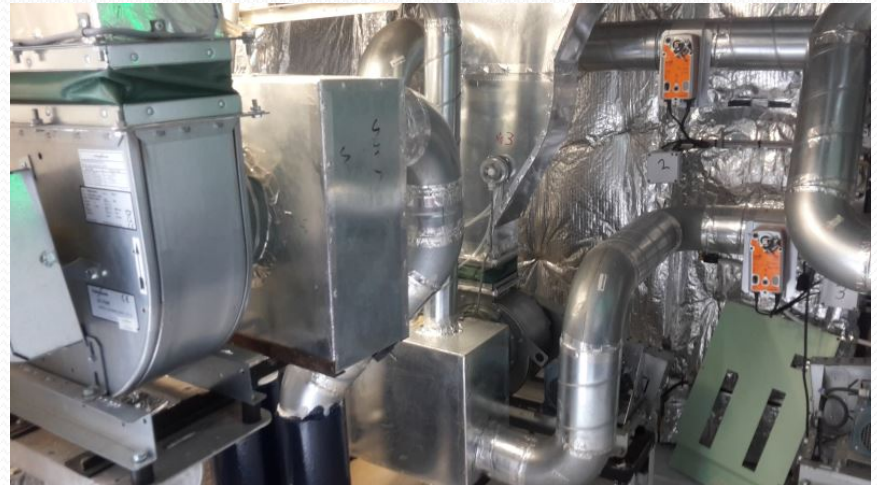
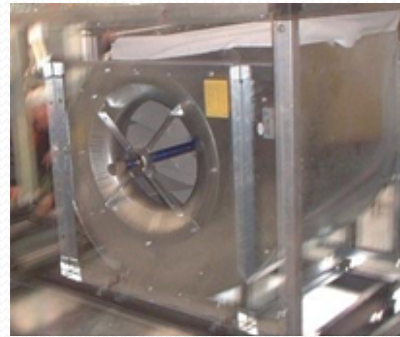
Sprinkler System Principle Diagrams**Local Application System One Line Diagrams****Sprinkler System One Line Diagrams**

SUPPLY AND INSTALLATION

Installation of ductwork (ducts and fittings) for HVAC plants, rectangular or circular, galvanized or black iron at every thickness.



Supply and installation of centrifugal and axial fans for all the range of sizes and capacities.



SUPPLY AND INSTALLATION

Supply and installation of Air Handling Units, for all the range of sizes and capacities.



Furthermore we have the ability to build and assemble Air Handling Units based on the required dimensions in case of lack of space inside the A.C. Station.



SUPPLY AND INSTALLATION

Supply and installation of air terminal units for high, medium and low-pressure systems, with incombustible materials according to the regulations.



Supply and installation of Dampers (Regulating, Back Flow Preventing, etc.) and Fire Dampers in accordance with relevant regulations.



SUPPLY AND INSTALLATION

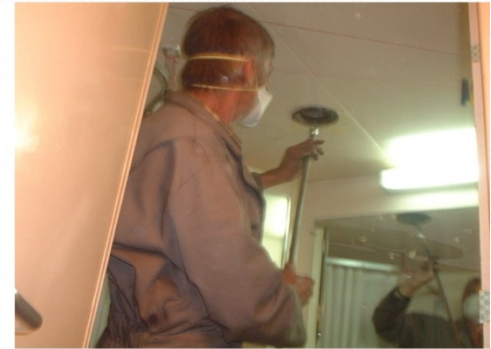
Machinery areas ventilation



Air duct cleaning using environmental-friendly technique



before



after



SUPPLY AND INSTALLATION

- Supply, installation and commissioning of complete marine refrigeration system with compressors, automation, electric and piping connections, electric switchboards and refrigeration chambers.
- Complete retrofit of compressors.



RANGE OF APPLICATIONS

Ro-Pax Ferries



Off Shore Rigs



Mega Yachts



Cruise Ships



Reefer Ships



Fast Ferries



High Speed Crafts



Merchant Ships



DESIGN-MANAGEMENT-SUPERVISION REFERENCE LIST

1995-1996	MS GRAND PRINCESS	HVAC Design Management	Princess Cruises	(Fincantieri Shipyard Monfalcone Italy)
1996-1997	MS SEA PRINCESS	Project Management	Princess Cruises	(Fincantieri Shipyard Monfalcone Italy)
1997-1998	MS TRIUMPH	Project Management	Carnival Cruise Lines	(Fincantieri Shipyard Monfalcone Italy)
1998-1999	MS VICTORY	Project Management	Carnival Cruise Lines	(Fincantieri Shipyard Monfalcone Italy)
2000-2001	MS GLORY	HVAC Design & Design Management	Carnival Cruise Lines	(Fincantieri Shipyard Monfalcone Italy)
2001	NYK	HVAC Pre-design	-	(Chantiers de l' Atlantique)
2001-2002	MS FORTUNA	HVAC Design & Design Management	Costa Crociere Lines	(Fincantieri Shipyard Genova Italy)
2001-2003	Ro-Ro LOBO MARINHO	HVAC Design & Technical management	Porto Santos Lines	(ENVC Shipyard Viana do Castello)
2002	P 8280	HVAC Pre-design	-	(Fincantieri Shipyard Monfalcone Italy)
2002-2004	NB-293	HVAC Design & Design Management	Algerian Ferries	(IZAR Shipyard Seville)
2003-2004	NB-294	HVAC Design & Design Management	Algerian Ferries	(IZAR Shipyard Seville)
2002-2004	NB-C399	HVAC Design & Design Management	Faroe Island Ferries	(IZAR Shipyard San Fernando)
2002-2003	MV Andreas Kalvos	Sprinkler System Design	Ionian Ferries	(Perama Repairing Shipbuilding yard)
2003-2004	MV Cezanne	Sprinkler System Design	Seafrance	(Calais France)
2004	MV Elegant	Sprinkler System Design	WEM Lines	(LAMDA Shipyards)
2004-2005	Tirrenia Ferries vessels	Sprinkler & Local protection Systems Design	Tirrenia Ferries	(Italy)
2005	MV NPC, MV Manet	Sprinkler & Local protection Systems Design	Seafrance	(Calais France)
2005-2006	P 8352- P 8380	HVAC Pre-design	-	(Fincantieri Shipyard Monfalcone Italy)
2006	H/S ALKIONI	HVAC Design & Supervision	Fortune Maritime	(Salamis Shipyards)
2006-2008	H-6149	HVAC Design	Holland America Line	(Fincantieri Shipyard Monfalcone Italy)
2006-2007	NB-259	HVAC Predesign	-	(ENVC Shipyard Viana do Castello)
2006	NB-258	HVAC Design & Supervision	-	(ENVC Shipyard Viana do Castello)
2007	NOVENCO (071020)	HVAC Design	-	(Marmara Shipyard)
2007	NOVENCO (071024)	HVAC Design	-	(Israel Shipyard)
2007	NOVENCO (061053)	HVAC Design	-	(Yardimci Shipyard)
2007	SUPERFAST V	HVAC Air Flow Balancing	Superfast Ferries	-
2007	H-6178	HVAC Design	-	(Fincantieri Shipyards)
2007	P-8394	HVAC Predesign	-	(Fincantieri Shipyards)

DESIGN – MANAGEMENT – SUPERVISION REFERENCE LIST

2007	OPERA	HVAC Improvements	Louis Cruise Lines	(Elefsis shipyards)
2007-2008	CONSTELLATION	HVAC Design	-	(Perama Shipyards)
2007-2008	ELYROS	HVAC Design	Anek Lines	(Perama)
2008-2009	H-6192	HVAC Design	-	(Fincantieri Shipyards)
2008-2009	PRINCESS T	HVAC Design	Endeavour Lines	
2010	Hull 081021C	HVAC Design	Johnson Control Aps, Marine	ABG Shipyard
2010	Hull 283	HVAC Design	Johnson Control Aps, Marine	ABG Shipyard
2010	Hull 317	HVAC Design	Johnson Control Aps, Marine	ABG Shipyard
2010	P 8054	HVAC Design	Johnson Control Aps, Marine	Odense Steel Shipyard Ltd A
2010	Y 166	HVAC Design	Johnson Control Aps, Marine	Vik Sandik As
2011	NV 462	HVAC Design	Johnson Control Aps, Marine	Torlak Shipyard
2011	NV 474	HVAC Design	Johnson Control Aps, Marine	Torlak Shipyard
2011	VS_470_MPOV	HVAC Design	Johnson Control Aps, Marine	Vik Sandik As
2011	MV TAXIARCHIS	HVAC Design	Nel Lines	
2012	Ro-Ro/Pass “SUPER FERRY II”	HVAC Design	Golden Star Ferries	
2012	Ro-Ro/Pass “AGIOS GEORGIOS”	HVAC Design	Ventouris Sea Lines	
2012-2013	HULL 2300/2301	HVAC Design	AIDA Cruises	Mitsubishi Heavy Industries
2013-2014	HULL 6236	HVAC Design	VIKING OCEAN Cruises	Fincantieri Shipyard Italy
2015-2016	HULL 6255 “Kronprins Haakon” (Polar Research Vessel)	HVAC Design	Norwegian Institute of Marine Research	Fincantieri Shipyard Italy - Genova
2015-2016	70k GT Cruise Ship	HVAC Design	Shanghai Merchant Ship Design & Research Institute	

DESIGN-MANAGEMENT-SUPERVISION REFERENCE LIST FOR OFFSHORE PROJECTS

2005	AKER H-4.3 Deep Sea 7000 (Drilling Rig)	HVAC Design	-	(Hyundai Heavy Industries)
2005	GVA 7500N Deepwater Drilling Unit	HVAC Design	-	(Hyundai Heavy Industries)
2005	EASTERN 1 Drilling Rig	HVAC Design	-	(Samsung Heavy Industries)
2010	L-209 / METO Jack-up Rig	HVAC Design	-	(Drydocks World)
2011	DR1008 Noble Jack-up Rig	HVAC Pre – Design	-	(STX Offshore & Shipbuilding)
2012	9970M Floating LNG Vessel	HVAC Pre – Design	-	(DSME – Daewoo Shipbuilding)

NEW BUILDINGS REFERENCE LIST

HVAC DESIGN & INSTALLATION ON TURNKEY BASIS

2002	NB 237 LOBO MARINHO	Porto Santos Lines	ENVC Shipyard Viana do Castelo
2002-2004	NB-293	Algerian Ferries	IZAR Shipyard Seville
2003-2004	NB-294	Algerian Ferries	IZAR Shipyard Seville
2008	ELYROS	Anek Lines	Perama (Cold Stores & Refrigeration system)
2008-2009	H16001 & H16002	Samos Shipping Ltd	Elefsis Shipyard
2009-2010	Fire Fighting Vessels H-1105 & 1106		Syros Shipbuilding & Industrial Enterprises S.A
2009-2010	Barge “ATALANTI”	Kreousa shipping Company Ltd	Chalkis Shipyard
2010-2011	Douro Spirit	Douro Azul	Navalria Dry Docks Portugal
2011	Fire Fighting Vessels H-1107		Syros Shipbuilding & Industrial Enterprises S.A
2012-2013	River Vessel “QUEEN IZABEL”	Douro Azul	Navalria Dry Docks Portugal
2012-2013	River Vessel “AMAVIDA”	Douro Azul	Navalria Dry Docks Portugal
2013-2014	River Vessel “VIKING HEMMING”	Douro Azul	Navalria Dry Docks Portugal
2013-2014	River Vessel “VIKING TORGIL”	Douro Azul	Navalria Dry Docks Portugal
2015-2016	River Vessel “VIKING OSFRID”	Douro Azul	WestSea / Viana Shipyard – Portugal
2015-2016	River Vessel “Scenic Azure”	Scenic Cruises	WestSea / Viana Shipyard – Portugal

NEW BUILDINGS REFERENCE LIST

HVAC DESIGN & INSTALLATION ON TURNKEY BASIS

2016	M/V NATIONAL GEOGRAPHIC –ENDEAVOUR II	Lindblad Expeditions	Sociber Shipyards, Valparaiso Chile
2016-2017	River Vessel “DOURO ELEGANCE”	Douro Azul	Navalria Dry Docks Portugal
2016-2017	River Vessel “DOURO SERENITY”	Douro Azul	Navalria Dry Docks Portugal
2016-2017	River Vessel “EMERALD RADIANCE”	Scenic Cruises	WestSea / Viana Shipyard – Portugal

RETROFITTINGS REFERENCE LIST

M/V THOMSON SPIRIT	HVAC System Retrofitting	Louis Cruises Lines LTD
M/V CRISTAL	-//-	-//-
M/V AQUA MARINE	-//-	-//-
M/V AEGEAN PEARL	-//-	-//-
M/V SAPHIRE	-//-	-//-
M/V CORAL	-//-	-//-
M/V EMERALD	-//-	-//-
M/V ORIENT QUEEN	-//-	-//-
TPK GRIGOROPOULOS	-//-	Elefsis Shipyard
TPK PLESAS	-//-	Elefsis Shipyard
M/V BLUE HORIZON	-//-	Bleu Star
M/V ANTEOS	-//-	Thalia Shipping Co Ltd
M/V NAROVA	-//-	Cavodoro Shipping Corp.
M/V HELLENIC SPIRIT	-//-	Anek Lines
M/V TROUPAKIS	-//-	Elefsis Shipyard
M/V MINITANK ONE	-//-	Ancora Investments inc
M/V KNOSSOS PALACE	-//-	Minoan lines S.a
M/V CHARISMA	-//-	Pacific & Atlantic Shipmanagers ing
M/V PRIDE NORTH AMERICA	-//-	Elefsis Shipyard
M/V EASY CRUISE LIFE	-//-	Easy Cruise
M/V EXPRESS SANTORINI	-//-	Portucalence Shipping Company S.A.
M/S MEGA ANDREA	-//-	Corsica Ferries
RO/PAX PRINCE JOACHIM	-//-	European Seaways
M/S PASCAL LOTA	-//-	Corsica Ferries

EXTENDED RETROFITTINGS REFERENCE LIST

M/V AEGEAN ODYSSEY	HVAC System Retrofitting	The Aegean Experience
M/V NISSOS RODOS	-//-	Hellenic Seaways
M/V PANORAMA	-//-	European Navigation Inc
M/V MIRTIDIOTISSA	-//-	Nel Lines
M/V FUNCHAL	-//-	Portuscale Cruises
M/V LISBOA	-//-	Portuscale Cruises