



HYDRAULIC CENTRAL SYSTEM

HCS PROJECTS



HYDRAULIC CENTRAL SYSTEM SL



NAVAL PROJECTS





NAVANTIA – CÁDIZ SHIPYARD

- B/ BILADI:
 - Water Mist System in Accommodation (1500 Splinkers)
- B/RAMFOR EXPLORER:
 - Installation of Fire Fighting System in Tunnel
 - Installation of Fire Fighting System in Deck
- B/SYMPHONY:
 - Lubrication System on Deck
 - Hydraulic Installation of 5 Tn Winches
 - Installation of Fire System in Deck
 - Hydraulic Installation of Streamer Spooling Device
 - Hydraulic Installation of Slewing Winches
- FRAGATA NUMANCIA:
 - Fire Fighting Water Mist System
- DESTRUCTORES US NAVY SHIPS (USS ROSS, DONALD COOK, PORTER Y CARNEY) :
 - Pipe Systems

IZAR - CADIZ SHIPYARD

- B/ VIKING LADY:
 - Hydraulic System of Soil Machine
 - Hydraulic Installation of Winch, Transponder and Fuel Pumps
 - Hydraulic Installation of High-Pressure Pipe
 - Hydraulic Installation of Azimuth Thruster
- B/AMAZONAS:
 - Hydraulic Installation of Deck Winches
 - Hydraulic Installation of Servo
 - Hydraulic Installation of FO Pipe in Heliport
- F.P.S.O. PETROBRAS – 47:
 - Hydraulic Installation of Remote Control Valves
 - Hydraulic System of the Cargo Loading System
- B/TANANA:
 - Hydraulic Installation of Remote Control Valves
 - Hydraulic System of AFT Propellers



- Hydraulic System of FW Propellers
- Hydraulic System of the Loading System

- F.S.P.O. PETROBRAS-32:
 - Hydraulic Installation of Remote Control Valves
 - Hydraulic Installation of Off Loading AFT System

- PLATFORM - PETROBRAS P-26:
 - Hydraulic Installation of Remote Control Valves
 - Hydraulic Installation of Deck Winches

NAVANTIA PUERTO REAL SHIPYARD

- B.A.M. C512-P42 – RAYO[®] Spanish Navy:
 - Installation of Pipeline in Engine Room
 - Installation of Outfitting Engine Room
 - Installation of Equipment in Engine Room

- C107 – SPANISH NAVY:
 - Replenishment at Sea Hydraulic System

- C540 – SUEZMAX
 - Outfitting of the Superstructure (steel works)

- C541– SUEZMAX
 - Outfitting of the Superstructure (steel works)

- C544 – SUEZMAX
 - Outfitting of the Superstructure (steel works)

- C545 – SUEZMAX
 - Outfitting of the Superstructure (steel works)

IZAR ASTILLERO PUERTO REAL

- L.N.G. C/105 – COMPANY TAPIAS:
 - Pressure Testing and Flushing on Deck
 - Hydraulic Installation of Levels Tanks System
 - Installation of Cryostar System Instrumentation
 - Hydraulic Installation of Deck Winches
 - Installation of Instrumentation Loading System
 - Installation of Isolation Boxes
 - Hydraulic Installation of Lifeboats

- L.N.G. C/103 – COMPANY KNUITSEN:



- Hydraulic Installation of Remote Control Valves
- Pressure Tests and Flushing on Deck
- Hydraulic Installation in Levels of Tanks System
- Installation of Cryostar System Instrumentation
- Hydraulic Installation of Deck Winches
- Installation of Instrumentation Loading System
- Installation of Pneumatic Control Valves
- Pipe Barriers Primary and Secondary
- Hydraulic Installation of Lifeboats

➤ L.N.G. C/87 – CASTILLO DE VILLALBA – COMPANY ELCANO:

- Installation of Levels of Tanks Hydraulic System
- Installation of Cryostar System Instrumentation
- Hydraulic Installation of Deck Winches
- Instrumentation of Loading System
- Installation of Pneumatic Control Valves
- Installation of Isolation Boxes
- Hydraulic Installation of Lifeboats

➤ C/93 – CASTILLO DE MONTERREAL – COMPANY ELCANO:

- Hydraulic Installation of Remote Control Valves
- Hydraulic Installation of Cargo Framo Pumps
- Installation of Pipes in Engine Room

➤ C/85 – SHUTTLE TANKER – NAVION ANGLIA -. COMPANY NAVION

- Hydraulic Installation of Lifeboats
- Hydraulic Installation of Levels of Tanks System
- Installation of Remote Control Valves

➤ SHUTTLE TANKER C/83 – NAVION HISPANIA – NAVIERA NAVION

- Hydraulic Installation of Deluge Pumps
- Hydraulic Installation of Deck Fire Fighting system
- Hydraulic Installation of Azimuth Thruster
- Hydraulic Installation of Transverse Thruster
- Hydraulic Installation of Remote Control Valves
- Hydraulic Installation of High Pressure Pipe

➤ SHUTTLE TANKER C/85 – NAVION HISPANIA – NAVIERA NAVION:

- Installation of the Pneumatic System of Detection Gas System



- Installation of Hydraulic System in Lifeboats
- Installation of Hydraulic System of Levels of tanks
- FERRY C/81 - STENA BÁLTICA – COMPANY STENA LINE:
 - Fire Fighting System in Accommodation and CCMM
 - Installation of Pneumatic Doors
 - Hydraulic Installation of Fire Dampers
- FERRY C/80 – STENA BRITANNICA – COMPANY STENA LINE:
 - Fire System in Accommodation and CCMM
 - Installation of Pneumatic Doors
- FERRIES C/79 – C/78 - FINNCLIPER – FINNAGLE COMPANY STENA LINE/FINNLINES:
 - Fire Fighting System in Accommodation and CCMM
 - Installation of Pneumatic Doors
 - Hydraulic Main Propeller System
 - Hydraulic Installation of Valves
- C/77 – SKANE – COMPANY SWFERRY:
 - Fire Fighting System in Accommodation and CCMM
 - Hydraulic Installation of Valves

IZAR – SESTAO SHIPYARD

- C/331 – KNUTSEN:
 - Manufacture and Welding of Steel Blocks

FACTORIAS VULCANO - VIGO

- C/521 – BOA SUB C – Company Boa Offshore AS:
 - Hydraulic Installation of Crane of 600Tn
 - Hydraulic Installation of Deck Machinery
- C/485 – BOA DEEP D – Company Boa Offshore AS:
 - Hydraulic Installation of Crane of 600Tn

NAVAL GIJÓN SHIPYARD

- RO-RO C/700 - 701 – 702 – 703 Company KOMROWSKI:
 - Supply and Installation of Remote Control Valves



HUELVA SHIPYARD

- CHEMICAL TANKER – C/827:
 - Installation of Remote Control Valves
 - Hydraulic Installation of Machinery on Deck
 - Installation of pipe Fireproofing with Water Mist System
 - Hydraulic Installation of Gas Detection Pipes
 - Manufacturing of 5 Steel Blocks

- CHEMICAL TANKER – C/826:
 - Hydraulic Installation of Remote Control Valves
 - Hydraulic Installation of Machinery on Deck
 - Installation of Water Mist Fire Fighting System
 - Hydraulic Installation of Gas Detention Pipes

- RO-RO – C/821 – Clipper Pace – Company Sea Truck:
 - Installation of Remote Control Valves
 - Hydraulic Installation of Machinery on Deck
 - Installation of Water Mist Fire Fighting System
 - Manufacturing of 5 Steel Blocks

- RO-RO - C/820 – Clipper Point – Naviera Sea Truck:
 - Installation of Remote Control Valves
 - Hydraulic Installation of Machinery on Deck
 - Installation of Water Mist Fire Fighting System

SEVILLA SHIPYARD

- C/008 – C/001:
 - Fabrication of Steel Blocks

- RO-RO C/823 – C/822 - Company Sea Truck:
 - Installation of Remote Control Valves
 - Hydraulic Installation of Machinery on Deck
 - Manufacturing of 8 Steel Blocks

ZAMAKONA SHIPYARD - BILBAO

- SUPPORT BOAT TO PLATFORM C/670 – C/669 – C/668 – C/667 COMPANY TRANS VIKING:
 - Hydraulic Installation of Pumps in Loading Area
 - Fabrication and Assembly of Pipe in Loading Area



- RESCUE MARITIME VESSEL – C/619 – CLARA COMPOAMOR – SASEMAR:
 - Hydraulic Installation of High-Pressure Machinery on AFT

- RESCUE MARITIME VESSEL – C/618 – D. INDA – SASEMAR:
 - Hydraulic Installation of High-Pressure Machinery on AFT

NAVANTIA - SAN FERNANDO SHIPYARD

- B.A.M. C/511 – SPANISH NAVY:
 - Installation of Pipe in Engine Room
 - Outfitting Installation in Engine Room
 - Equipment Installation in Engine Room

- B.A.M. C/513– SPANISH NAVY:
 - Installation of Pipe in Engine Room
 - Outfitting Installation in Engine Room
 - Equipment Installation in Engine Room

- B.A.M. C/514 – SPANISH NAVY:
 - Installation of Pipe in Engine Room
 - Outfitting Installation in Engine Room
 - Equipment Installation in Engine Room

FERROVIAL – AGROMAN - BASE NAVAL DE ROTA (CÁDIZ)

- DOCK Nº 3 IN MILITARY NAVAL BASE
 - Supply and Assembly of Fire Fighting System



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INDUSTRIAL PROJECTS





- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – CONTROL ROOM HIGHWAY TUNNELS M-30 – MADRID - SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – ASEPEYO HOSPITAL – COSLADA (MADRID) – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – BANKINTER – LAS PALMAS DE GRAN CANARIAS – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – OFICINAS BANKINTER – TENERIFE – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – BANKINTER – SEVILLA – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – CENTRAL POST OFFICE - CIBELES – MADRID - SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – TAX GOBERMENT AGENCY CENTRAL OFFICE – MADRID – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – CENTRAL BUILDING – PORT OF BARCELONA - SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – FERRÁN NUÑEZ PALACE – MADRID - SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – LIBRARY BUILDING – VIZCAYA – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – INAPAL FACTORY – LISBOA – PORTUGAL
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – FUENLABRADA GENERAL HOSPITAL – MADRID – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – HOSPITAL LA PAZ – MADRID – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – HOTEL PETIT PALACE POSADA DEL PEINE – MADRID – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – MAIN TRAIN STATION – AVE SANTA JUSTA – SEVILLA – SPAIN
- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – MAIN TRAIN STATION - GRANADA – SPAIN



- INSTALLATION OF FIRE-EXTINGUISHING SYSTEM WITH WATER MIST SYSTEM – HOSPITAL 12 DE OCTUBRE – MADRID – SPAIN

NAVAL STATION ROTA

- INSTALLATION OF PIPE FOR PIPELINES (14.000 M)
- SECURITY COMPLEX BUILDING Fire System Water mist System. Installation of 680 Automatic sprinklers and External Network.
- INSTALLATION OF PIG LAUNCHER /BOOSTER PUMP HOUSE
- INSTALLATION OF DAY TANK VALVE PIT, 6 UNIT
- INSTALLATION OF TANK VALVE PIT, 5 UNIT
- INSTALLATION OF MECHANICAL ROOM
- INSTALLATION FLUSH/FILL SUPPLY AND RETURN PIT
- PIER3 FIRE FIGHTING SYSTEM
- PIER 1 F76 PIPE INSTALLATION



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OFFSHORE PROJECTS





NAVANTIA PUERTO REAL SHIPYARD

- WIKINGER – SUBESTACIÓN ANDALUCÍA DE IBERDROLA
 - Manufacture and assembly of foundations and ballast tanks
 - Sealing of supports
 - Supply and testing of hoses grouting
 - Owner points

- EAST ANGLIA ONE - IBERDROLA ANDALUCÍA II SUBSTATION
 - Manufacture and assembly of the Fire Fighting System
 - Manufacture and assembly of outfitting (287 equipment supports)
 - Manufacturing and assembly of vertical and inclined ladders
 - Installation of washdown system
 - Signal mounting
 - Marking of pipe

DRAGADOS OFFSHORE – PUERTO REAL (CÁDIZ)

- EPC78:
 - Lubrication and Flushing System

- OIL & GAS PLATFORM “JASMINE” – “CONOCO PHILLIPS”:
 - Pipe Fabrication

- MARINER PROJECT – “STATOIL”:
 - Supervision, pressure testing and flushing (UCC system)

- OIL & GAS PLATFORM “JASMINE” – “CONOCO PHILLIPS”:
 - Pipe Erection and Assembly

- OIL & GAS PLATFORM “JASMINE” & “JUDY” – “CONOCO PHILLIPS”:
 - Hydraulic Pipe - Pressure and Flushing Testing