







PORTS CREDENTIALS

Services:

Ports & Terminals

- Oil & Gas
- Dry Bulk
- General Cargo/ Multipurpose
- Ferries / RO RO / Cruise
- Containers
- Conventional Buoy Moorings (CBM)
- Single Point Mooring (SBM, CALM)
- Subsea Pipelines
- Master Plans
- Navigation Channels
- Touristic Development Facilities
- Operations Simulation
- Ports Safety

Ports Experience Oil, Chemical, Petrochemical & Gas Ports

In the **Incostas Nouel Group**, apply our approach in a number of ways, including the optimizing of the port configuration, minimizing downtime, reducing sedimentation, designing structures, providing security, etc.

Our projects range from existing ports, with significant space limitations, to virgin lands that require large-scale planning.





Engineering, procurement and construction of the water replacement system of the fire system. Miramar Services Pier. EMBYSA

Nicaragua Nicaragua

Project Management Consulting (PMC) service for the T&I Dolphin Platform. FRONTERA ENERGY
Preparation, execution and transportation from Texas USA to its installation in Lot Z-1 in Peru.





Engineering and construction service for the stabilization of the submarine pipeline of the Marine Facilities of the Miramar Distribution Plant.

EMBYSA Nicaragua

Replacement Turning and Mooring Dolphin and Connecting Walkway at PDVSA Puerto Miranda Jetty 2 CWAVES MARINE & ENGINEERING CONSULTANTS Zulia State, Venezuela Conceptual engineering







Technical assistance for the minor maintenance of the lateral fenders and in the mooring shield of the Petroanzoategui service pier.

CONSORCIO COVEMPRO

Anzoategui State, Venezuela

Maintenance

Technical supervision of the Submarine Pipelines Laying Miramar's fuel distribution plant. EMBYSA Miramar. Nicaragua





Special studies in the piers area of the El Guamache fuels distribution plant, Nueva Esparta State. PDVSA PETRÖLEOS, S.A.

Venezuela

Technical Assistance Services for the Maintenance of Navigation Operations. Caripito Boarding Terminal PDVSA PETRÓLEOS S.A. San Juan River and Maturin Bar







LPG & Petrochemical Marine Terminal at Terminal Jose Anzoategui State, Venezuela PDVSA – PEQUIVEN Basic and detail engineering

TAEJ oil export sea island platform expansion projects in Jose Anzoategui State, Venezuela PETROLERA AMERIVEN CONSORCIO WILLBROS – VEPICA Detail engineering





Marine terminal for loading coke and sulphur dock for heavy cargo barges in Jose Jose, Estado Anzoátegui - Venezuela PETROZUATA WEEKS MARINE Conceptual and detail engineering

Oil and Coke Export Marine Terminal for Midtap at Alejandría, Egipt SOROS ASSOCIATES Basic and detail engineering







Engineering for the new jetty at El Palito Refinery El Palito Carabobo State, Venezuela CORPOVEN, S.A. Detail engineering

Basic and detail engineering of berths N° 4 y N° 5 Guaraguao, Anzoategui State, Venezuela PDVSA MANUFACTURA Y MERCADEO Basic and detail engineering





Adaptation of Guaraguao dry dock to oil dock Anzoategui State, Venezuela CORPOVEN, S.A. Basic and detail engineering

Terminal handling petrochemical products in Jose Anzoategui State, Venezuela PEQUIVEN Basic and detail engineering



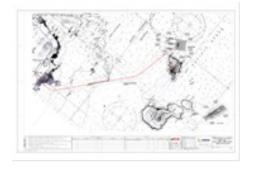




Upgrading of the jetty and storage systems for fuel oil handling at electric power plant. "Planta Centro El Palito" Carabobo State, Venezuela PDVSA Basic and detail engineering

Segregation of hydrocarbon contaminated waters in the south area of El Palito Refinery Carabobo State, Venezuela HIDROMET – CORPOVEN Basic and detail engineering





Marine facilities on Atlantic Pacific, Ocean Coasts, Panama Centro Energético Las Américas (CELA) TIVENCA/ENERGIAS Conceptual engineering

Solids bulk material and liquid handling dock and pier in South Carolina, EEUU RIVER CONSULTING, LLC Basic and detail engineering



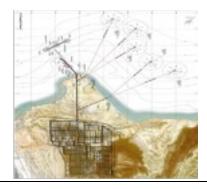




Services dock with breakwater at El Palito Refinery Estado Carabobo –Venezuela CORPOVEN, S.A. (PDVSA) Basic and detail engineering

Basic Engineering of the service pier and port planning for I & II stages of CIGMA Project. PDVSA Paria Peninsula Sucre State. Venezuela





Araya oil export terminal / (TAECA) DAEWOO/PDVSA Conceptual engineering

Engineering for 23 km oil pipeline from land to a 150.000 DWT crude oil tankers pier and coke handling and loading dock at Camilo Cienfuegos Refinery Cuba CUPET Conceptual engineering







Partial modification of Petroanzoategui dock and supply, transport and installation of a buoy system for vessels and barges mooring in the Piritu islands.

ENERGY COAL DE VENEZUELA Estado Anzoátegui. Venezuela. IPC

Services dock construction in the industrial Complex Jose Antonio Anzoategui.
INELECTRA S.A.C.A.
Anzoategui State, Venezuela
Basic and Conceptual engineering





Port facilities at the gas export Terminal in Tolu – Colombia PACIFIC STRATUS ENERGY COLOMBIA Mar Caribe, Colombia Detail engineering

Access bridge structure and loading platform Jose industrial Complex
PEQUIVEN/ DELTA MARINE CONSULTANTS
Anzoategui State, Venezuela
Detail engineering

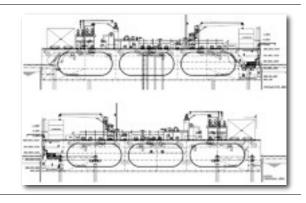






Lagunillas Sur dock PDVSA. Diagnosis and recomemmdations
PDVSA ACUATIC OPERATIONS, S.A.
Maracaibo Lake, Venezuela.
Preliminary evaluation

Gas Export Dock
PACIFIC STRATUS ENERGY COLOMBIA.
Gulf of Morrosquillo. Caribbean Sea, Colombia
Conceptual engineering





Upgrading the products reception terminal at El Guamache PDVSA Nueva Esparta State. Venezuela Basic and detail engineering

Gas pipeline "La Creciente". Gulf of Morrosquillo. Submarine part toward FLSU – Approx. total length 3,9 Km. TIPIEL, S.A.

Caribbean Sea. Colombia Detail engineering







The dock loading construction of heavy equipment's and road access to the Port of Guanta.

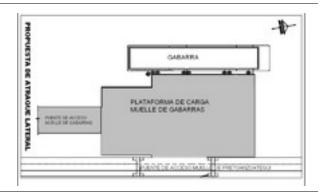
PDVSA PETROLEO, S.A.

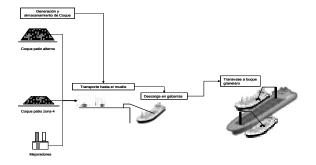
Anzoategui State, Venezuela

EPC

Engineering to adapt the lateral berthing of the barges on the platform dock Petroanzoategui services.

ENERGY COAL DE VENEZUELA Anzoategui State, Venezuela Detail engineering





Engineering for the management of Coke in the dock Petroanzoategui services
ENERGY COAL DE VENEZUELA
Anzoategui State, Venezuela
Detail engineering

Engineering for the anchoring system of floating equipment in the Coque transfer operation to south of the islands of Puerto Piritu.

ENERGY COAL DE VENEZUELA

Anzoategui State, Venezuela

EPC







Coal export pier loading platform Drummond Port DRUMMOND LTD PUERTO DRUMMOND RIVER CONSULTING. Santa Marta. Colombia Detail engineering

Service related with the engineering, installation and operation of the docking assistance system of ships and meteorological sensors in the docks of the El Palito refinery.

PDVSA.

fenders

Falcon State, Venezuela Engineering, Installation and start up





Concept and Basic Engineering for the design of a coke loading pier and a heavy unloading pier as part of the expansion project of the El Palito refinery.

Y & V INGENIERIA Y CONSTRUCCION Falcon State, Venezuela Basic and conceptual engineering

Replacement of defenses in tankers and crafts berthing docks at the north platform of TAEJ. PDVSA Anzoategui State, Venezuela Disassembly, transport and installation of new







Production Platform Topside CPF, Corocoro Offshore Oil Field, Gulf of Paria Engineering Assistance ALIANZA/ VEPICA, PETROSUCRE Sucre State, Venezuela Engineering assistance

Major maintenance of shields 3 and 4 of the El Palito refinery marine terminal. PDVSA Falcon State, Venezuela





Port structures for crude oil export for tankers of 150.000 DWT. As part the EPC WILLBROSS- VEPICA contract.

Anzoategui State, Venezuela Basic and detail engineering

Service dock project Jose's Industrial Condominium DITECH, S.A. Anzoategui State. Venezuela Basic and detail engineering







Structural adaptation of the LPG Terminal. Bajo Grande PDVSA Zulia State, Venezuela Detail engineering

Adaptation of the El Guamache marine terminal. Seismic standards, tanker platform and access bridges.

PDVSA MANUFACTURA Y PETROLEO Nueva Esparta State, Venezuela





Improvement and Upgrade of Pier No. 6 of the Guaraguao Marine Terminal to Receive 85 DWT Tankers CORPOVEN Anzoategui State. Venezuela Basic and conceptual engineering

Improvement and Upgrade of Marine terminal at El Palito Refinery. PDVSA Carabobo State. Venezuela Basic and detail engineering







Design of a Coke Loading Dock and a Heavy Unloading Dock as part of the El Palito Refinery Expansion Project. Y & V INGENIERÍA Y CONSTRUCCIÓN Carabobo State. Venezuela Basic and conceptual engineering

Inspection solid dock Polinter. International Polyolefins
TECNOCONSULT, C.A.
Zulia State. Venezuela
Inspection





Boarding and Storage Terminal for Crude Oil and Strategic Products, Services, Tugboats and Tank Yard, TAEA PDVSA SIEMBRA PETROLERA Sucre State, Venezuela Conceptual engineering

Inspection and structural evaluation of the TAEJ boarding terminal platform.

AB PROYECTOS E INSPECCIONES C.A.

Anzoategui State. Venezuela

Technical impection and detail engineering







Partial modification of Petroanzoategui dock and supply, transport and installation of a buoy system for vessels and barges mooring in the Piritu islands.

ENERGY COAL DE VENEZUELA Anzoategui State, Venezuela Supply and installation of a buoy

Preliminary assessment of the dock "Lagunillas Sur" PDVSA. Diagnosis and recommendations. PDVSA OPERACIONES ACUATICAS S.A. Zulia State, Venezuela Evaluation





New export terminal for the Moron Petrochemical Complex PEQUIVEN Carabobo State, Venezuela Visualization and conceptual engineering

Works civil at the Guaraguao dock STATOIL DE VENEZUELA S.A. Anzoategui State, Venezuela Detail engineering







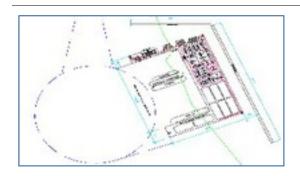
General inspection of Pequiven petrochemical pier
PEQUIVEN
Anzoategui State, Venezuela
Inspection

Access roads, preparatory phase of Gran Mariscal de Ayacucho Industrial Complex (CIGMA) Section II

CONSTRUCTORA VIALPA S.A.
Anzoategui State, Venezuela

Detail engineering

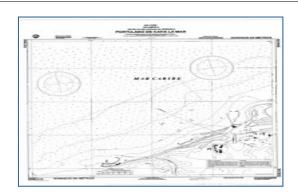




Infrastructure Conceptual Engineering for the deep water port at the Orinoco Delta.

AQUATIC SPACES NATIONAL INSTITUTE (INEA)
Delta Amacuro State, Venezuela
Basic and Conceptual engineering

PLEM design of the new fuel distribution plant TIVENCA INGENIEROS CONSULTORES C.A. Vargas State, Venezuela Detail engineering







Spill containment system for boarding terminals, La Salina, Puerto Miranda and Bajo Grande PDVSA OCCIDENTE Zulia State, Venezuela Detail engineering

Base line study for the micro location of Supremo Sueño de Bolivar Refinery at Miramar EMBYSA Nagarote, Nicaragua Base line study





Adaptation to increase gasoline export capacity of berths N° 8 and N° 9 in the Jose Pier. PDVSA GAS S.A. Anzoategui State, Venezuela Basic and conceptual engineering

Marine facilities for the second stage of expansion of the Camilo Cienfuegos Refinery PDV CUPET C.A. - AXENS IFP GROUP TECHNOLOGIES Cienfuegos, Cuba Conceptual engineering







Diesel unloading dock in Bachaquero TIVENCA Zulia State, Venezuela Conceptual engineering

Design of the maritime traffic control system for the PDVSA terminals in Jose and Guaraguao CORPOVEN S.A. Anzoategui State. Venezuela Basic engineering



Port Experience Bulk carriers, Shipyards & Specialized Cargo Terminal

The success of the operation of a terminal revolves around the fast and efficient handling of the ships' cargo.

In the **Incostas Nouel Group**, we develop infrastructures for shipyards, general cargo and containers, which consider specialized facilities for the handling of all different types of containers, regardless of the cargo type they contain and that in turn, allows the interconnection between the different transportation modes.

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Coke export facilities (Pier N° 5) Of the Cardon refinery MARAVEN, S.A. Falcon State, Venezuela Detail engineering

Engineering for the SINCOR Pier Coke and sulfide ship loading system at Jose SINCOR Jose Anzoategui State, Venezuela Basic, conceptual and detail engineering & construction assistance





New cement terminal in Carupano
CEMENTOS CARIBE
Sucre State, Venezuela
Engineering, Inspection, Procurement and
Construction Management

Old Coal & Cement pier IX extension and new pier X
RIVER CONSULTING
Newport News, Virginia. EEUU
Detail engineering







Visualization and site selection studies for dry dock for the construction of off shore concrete platforms VENEZUELAN CONSTRUCTION CHAMBER – PDVSA Conceptual engineering

Terminal for assembling and boarding of oil/gas offshore platform steel structures on the Orinoco river
Bolívar State, Venezuela
VHICOA VENEZUELA HEAVY
INDUSTRIES, C.A.
Basic and conceptual engineering





Dry Dock for Construction of Large Concrete Floating Structures for Off-Shore Use PDVSA Site Selection Study and Conceptual Engineering

Assembly yard and launch dock for offshore platforms and large structures. Orinoco River. VHICOA – CVG
Bolivar State, Venezuela
Turn-key project; Detail engineering, Inspection and management construction







Engineering assistance for Float – Over installation of the top side of the off shore wellhead platform Corocoro
Golfo de Paria, Sucre State, Venezuela
VEPICA – WOOD GROUP (CONOCO PHILIPS)
Detail engineering

Fuel Discharge Terminal of the Tacoa Thermoelectric Plant INELECTRA Distrito Federal. Venezuela Basic engineering





Structural Evaluation of the Puerto Almirante Pier. Bocas del Toro. CHIQUITA FRUIT Bocas del Toro. Republic of Panama

Third Orinoco river bridge Ro-Ro Dock & sheet pile docks whit unloading ramp ODEBRECH Caicara del Orinoco, Venezuela Detail engineering







Production Platform Topside CPF, Corocoro Offshore Oil Field, Gulf of Paria VEPICA/PETROSUCRE Sucre State, Venezuela Engineering Assistance

Personnel supply service for the inspection of the liquid handling dock of Palermo Sociedad Portuaria, S.A.
RIVER CONSULTING COLOMBIA Inspection





Consulting engineering services for a river port project. Rio Branco, Uruguay UNION AGRICULTURE GROUP S.A. (UAG) Conceptual engineering

Evaluation and Diagnosis of the Palua Dock Defense System. Copal/ Ferrominera Orinoco. GLOBALPANDI, S.A. Bolivar State. Venezuela







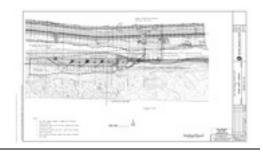
The dock loading construction of heavy equipment's and road access to the Port of Guanta.

PDVSA PETRÓLEO S.A.

Anzoategui State, Venezuela

EPC

Design of a Pier and Bridge for a Bulk Terminal RIVER CONSULTING Inc.
Destrehan. Louisiana. USA
Basic, conceptual and detail engineering





Engineering of adaptation for the El Almirante pier for the existing operations. BOCAS FRUIT COMPANY LTD Bocas del Toro. Panamá

Port Experience CBM Conventional Buoy Mooring, CALM Catenary Anchor Leg Mooring & Subsea Pipeline

In the **Incostas Nouel Group,** the developing of systems whose main function is that the vessel receives the crude with great speed and efficiency.

- Studies for the location, design and calculation of single point mooring systems
- Mono buoy, CALM (Catenary Anchor Leg Mooring) and multiple mooring systems
- *Multi buoys, CBM* (Conventional Buoy Moorings). Underwater Lines Routing, Protection of the Marine Bottom Rock
- PLEM Mount, Anchor Mounting

Design, Inspection and Submarine Pipeline Installation.

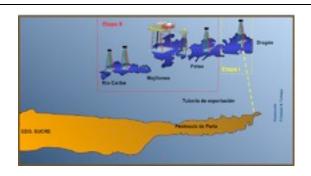
We count with qualified hydrographs, geophysicists, and technical support staff as well as the latest state-of-the-art technology equipment, capable of carrying out studies and measurements of the highest quality and reliability. Routes Feasibility Studies, Hydrographic Surveys, Marine Bottom Samples, Design of Submarine Pipelines, Valves, Submarine Hoses and Connections, Mooring Buoys, Anchorage and Beacon Systems, Pipeline Installation.





Assistance to the ships berthing in the Multi Buoy Terminal of Miramar Fuel Distribution Plant EMBYSA. Nicaragua

Subsea gas pipeline 36" Ø. at Dragon, CIGMA (110 Km),Gulf of Paria
Golfo de Paria
PDVSA
Conceptual Engineering





Mono buoy and subsea pipelines for a very heavy oil project at Jose area Anzoategui State, Venezuela WEEKS MARINE – PETROZUATA (CONOCO – PDVSA) Detail engineering

Subsea pipeline and 60.000 DWT multi buoy Mooring System for oil products terminal Acajutla, El Salvador ALBA PETRÓLEOS Detail engineering





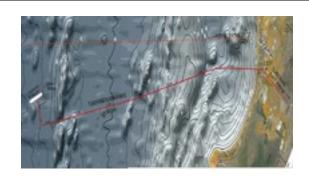


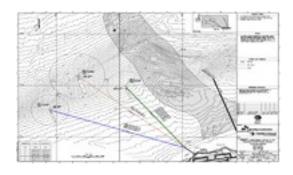
190 km subsea gas pipeline at Deltana platform-CIGMA project PDVSA GAS Conceptual engineering

Subsea pipelines design and Multi-Buoy System (CBM) in the Maritime Terminal for Unloading petroleum products, diesel, Jet-A1 Gasoline and LPG

Refining Petrochemical Complex Nagarote, Nicaragua ALBANISA / PCI

Basic, conceptual and detail engineering





3 SBM's Buoys & Sulfur Export Dock for the Ecuadorian-Pacific Refinery Manabi, Ecuador SK-TECNOCONSULT

Subsea pipeline from Barbacoa, Cumana to Margarita island PROYECTA CORP, S.A. Sucre & Nueva Esparta States, Venezuela Basic and detail engineering







30" Ø Subsea pipeline From Paraguana to Goajira (138 Km) Golf of Venezuela PDVSA Basic engineering

Port Experience Multipurpose Ports and Terminals, General Cargo and Containers

Multipurpose terminals are ports not specialized in cargo handling because they are designed for various types of cargo. The success of a terminal operation revolves around the fast and efficient handling of its cargo.

In the **Incostas Nouel Group**, we develop infrastructures for multipurpose terminals, *general cargo and containers*, which include specialized facilities for the handling of all different types, regardless of the type of cargo they contain and which in turn purchased the interconnection between the different modes of transport.





Consultancy for review and approval of the technical file corresponding to the General San Martin Port Terminal Project.

NATIONAL PORT AUTORITY. APN

Pisco, Peru

Supervision services for the new Yurimaguas Port Terminal – New Reform – Phase I UNITED NATIONS OFFICE FOR PROJECT SERVICES. UNOPS Loreto, Peru





New Cement Terminal in Carupano, terminal of Puerto Cumarebo CEMENTOS CARIBE Sucre State, Venezuela Engineering, inspection, procurement and construction Management

Container Yard for the Venezuelan Foreign Trade Corporation CORPOVEX, in the port of La Guaira CONSORCIO CONSTRUCTIVO GR Vargas State. Venezuela Basic engineering







Preparation of technical file "Improvement of the services of the artisanal fishing landing in the town of Chancay. Chancay District. NATIONAL FUND FOR FISHERIES DEVELOPMENT. FONDEPES. Lima, Peru

Preparation of technical file "Improvement of the services of the artisanal fishing landing in the town of La Cruz. La Cruz District. Provincia de Tumbes. FONDEPES.

Lima, Peru





Consultancy for the supervision of the work "Improvement of the services of the artisanal fishing landing in the town of Cancas. Canoas District, Province Contraalmirante Villar. FONDEPES.

Tumbes Region. Peru Supervision services

Consultancy for the supervision of the work "Improvement of the services of the artisanal fishing landing in the town of Acapulco. Zorritos District, Province Contraalmirante Villar. FONDEPES
Tumbes Region, Peru
Supervision services







Study, design and construction, drawings development and approval, environmental impact study, construction and maintenance of the new auxiliary marine service terminal of the IMA Pier of the Pacific sector.

PANAMA MARITIME AUTHORITY Panama City IPC

Advice to the inspection for the expansion of San Antonio Port V Region Chile DIRECTORATE OF PORT WORKS. MINISTRY OF PUBLIC WORKS Inspection





Container yard in the industrial area of Valencia city.

Carabobo State, Venezuela CROWELY AMERICAN TRANSPORT Conceptual, basic, detail engineering & construction management

The Araya Deep Water Port
MINFRA – INEA
Araya Peninsula, Venezuela.
Feasibility Study, Basic and Detail Engineering



Port Experience

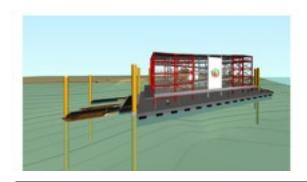
Terminals for Ferries, Ro-Ro y Cruises, Sports Marinas and other Tourist development

In the **Incostas Nouel Group**, we provide integral solutions that range from the evaluation of the feasibility, planning, infrastructure construction and quality of services that ensure the efficient operation and handling of **RO-RO** loads as well the attention to passengers and crew members of **tourist cruises**.

The projects of sports ports and marinas require specialized consulting services in order to obtain the maximum potential and economic yield. Our success in this sector lies in our extensive experience in the developing of infrastructures for both public and private use.

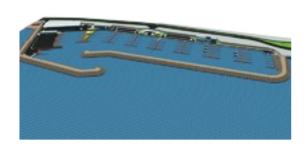
We design and develop solutions of the highest quality, from small infrastructure such as jetties, access ramps, etc., to large marine facilities with all necessary services. We also carry out studies to optimize the existing installations.





Consultancy services for development of the study of the Passenger Port Terminals construction project, in the main localities of the Amazon River at the Iquitos-Santa Rosa Section NATIONAL PORT AUTORITY
Loreto Peru
Study at profile level

Marina del Placer project INVERSIONES MARINA DEL PLACER, C.A. Vargas State, Venezuela Conceptual engineering





Port improvement Plan for the port of Guaranao BOLIVARIANA DE PUERTOS S.A. (BOLIPUERTOS) Falcon State, Venezuela Basic engineering

Services for the construction of the port facilities at a ferry terminal in Carenero BOLIVARIANA DE PUERTOS S.A. (BOLIPUERTOS) Miranda State, Venezuela Basic engineering







Port facilities for the operations of the HSS DISCOVERY vessel in the route Port of La Guaira to Port Margarita island, Phase I only Passengers ALBAMAR C.A.

Vargas and Nueva Esparta State, Venezuela Port facilities

Marina Puerto Playa DESARROLLO PUERTO PLAYA Anzoategui State. Venezuela Business plan Civil works engineering





Civil works and services for the construction of the port facilities at a ferry terminal in Carenero. BOLIVARIANA DE PUERTOS S.A. BOLIPUERTOS Miranda State, Venezuela Civil works engineering and construction services

Expansion of the sports marina at Playa Azul club. CLUB PLAYA AZUL Vargas State. Venezuela Detail engineering





Definition of the ferries terminals in the coasts of the Brion municipality, Miranda State, Carenero– Cuchivano and in Punta de Piedra LUCHSINGER & BAYER Miranda and Nueva Esparta States, Venezuela Micro location study





Ships, type fast ferries, at the Cumana Ferry Terminal BOLIVARIANA DE PUERTOS S.A. BOLIPUERTOS. Sucre State, Venezuela Advanced basic engineering of civil works

Muaco pier, diagnosis, recommendations and port facilities for ferries operations.
BOLIVARIANA DE PUERTOS S.A. BOLIPUERTOS Falcon State, Venezuela.
Update the primary evaluation





Primary Evaluation of the Muaco Pier. Inventory, conditions and recommendations.
FALCON STATE AUTONOMOUS INSTITUTE OF PUBLIC PORTS (IAPPEF)
Falcon State, Venezuela
Primary evaluation





Muaco pier, port facilities for ferry operations BOLIVARIANA DE PUERTOS S.A. BOLIPUERTOS Falcon State, Venezuela Upgrade of the primary evaluation

Muaco pier, inventory, conditions and recommendations
FALCON STATE AUTONOMOUS INSTITUTE OF PUBLIC PORTS (IAPPEF)
Falcon State, Venezuela
Primary evaluation



Port ExperienceMaster Plans

We design comprehensive *Master Plans* from a technical, infrastructure, financial, commercial, security and operational point of view, which allow us to guide port development, all in accordance with national and international requirements and existing port legislation.



Development of the proposals for long and medium terms solutions. Implementation plan, Monitoring methodology for the aerial, aquatic and terrestrial plan, Phase I.

MINISTRY OF THE PEOPLE'S POWER FOR TRANSPORT A COMUNICATION

National territory, Venezuela





Master development plan for the port of La Ceiba. SUR ANDINA DE PUERTOS C.A. Trujillo State, Venezuela

Diagnosis and Evaluation of Requirements for Port Operations in the Jose Industrial Complex CORPOVEN S.A.

Estado Anzoátegui. Venezuela





Diagnosis of aquatic transport in Venezuela MINISTRY OF DE INFRASTRUCTURE MINFRA National Territory, Venezuela