



MAIN REFERENCES



ROADS & HIGHWAYS



Roads & Highways

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
ANAS	Italy	Construction of the State Road 626 Valle del Salso -Sicily	Design	In progress
ARST Azienda Regionale Sarda Trasporti	Italy	Railway connection between the Alghero city and Alghero airport, with hydrogen production plant.	Design	In progress
COMUNE DI SASSARI	Italy	Metropolitan connection between the Hub of the intermodal center of Sassari with the city of Porto Torres and its port	Design	In progress
IRR-IRAQI REPUBLIC RAILWAY COMPANY (MINISTRY OF TRANSPORTATION)	Iraq	Consultancy services for the complete study to develop the Iraq Highway sector in conjunction with Grand Faw Port (Al-Faw – Fishkabour (1200 km)	Prefeasibility & Feasibility Studies	Completed
IRR-IRAQI REPUBLIC RAILWAY COMPANY (MINISTRY OF TRANSPORTATION)	Iraq	Consultancy services for the complete study to develop the Iraq Highway sector in conjunction with Grand Faw Port (Al-Faw – Fishkabour 1200 km)	Preliminary Design Detailed Design	In progress
Autostrade per l'Italia S.p.A	Italy	Maintenance interventions of the motorway sections for Autostrade per l'Italia S.p.A and divided by competence of the following trunk directions: Genoa, Milan, Bologna, Florence, Fiano Romano), Cassino, Pescara, Bari, Udine*	Design Review	In progress
Ministry of Transportation of Iraq	Iraq	Al Faw- Umm Qasr Expressway (70 km)	Preliminary Design	Completed
Ministry of Transportation of Iraq	Iraq	Al Faw Industrial Area	Master Plan	Completed
ERMA - Ras Ejdyer – Emsaad Motorway Authority	Libya	Ras Ejdyer – Emssad Expressway (1,700 kms. In length)	Design Review PMC & Construction Supervision	In progress
Autostrada BRESCIA-VERONA-VICENZA-PADOVA S.p.A.	Italy	Construction of the Superhighway Brescia – Verona – Vicenza – Padova*	Design Review	Completed
Groupement RIZZANI DE ECCHER - ETRHB-SAPTAD'ENTREPRISE	Algeria	Highway Project*	Design Review	In progress
AUTOVIE VENETE S.p.A.	Italy	Modernizing and Upgrade of Superhighway A4 (south ring road between the SS 13 and A28) *	Design Review	Completed
Ghella S.p.A.	Italy	A14 Highway widening: Ancona N-S*	Technical Control	Completed

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Roads & Highway

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
AUTOVIE VENETE S.p.A.	Italy	Modernizing and Upgrade of Superhighway A4 (Highway Junction to Gorizia)*	Design Review	Completed
GHELLA S.p.A.	Haiti	Dajabon – Cap Haitien Road (65 km)	Design	Completed
TURIN AGENCY FOR THE OLIMPIC WINTER GAMES	Italy	Works related to the Olympic Winter Games "Torino 2006": Construction of the bypass road to State Road No. 589*	Design Review	Completed
		Modernization and safety works of State Road No 23*	Design Review	Completed
		Project Control & Project Management services concerning the overall works planned	PMC & Costruction supervision	Completed
ANAS S.p.A.	Italy	Construction of the State Road No 16 (bypass road)*	Design Review	Completed
ANAS S.p.A.	Italy	Construction of the State Road No E- 45 (Orte – Ravenna section)*	Design Review	Completed
ANAS S.p.A.	Italy	Construction of the State Road No 115 (Southwest section)*	Design Review	Completed
ANAS S.p.A.	Italy	Construction Works related to the Construction of several State Roads.*	Design Review	Completed
ANAS S.p.A.	Italy	Construction of the State Road No 220*	Design Review	Completed

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Roads & Highway

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
Autostrade Siciliane CONSORTIUM	Italy	Works related to the Highway A20, interventions for the safety of the Tindari and Capo d'Orlando Tunnels*	Design Review	Completed
METRO ENGINEERING S.r.l.	Italy	Construction of the Superhighway Brescia - Bergamo - Milan*	Project Management Design Review	Completed
PEDEMONTANA LOMBARDA S.p.A.	Italy	Construction of the Superhighway*	Project Management Design Review	Completed
Regione Liguria	Italy	Area between Acna Cengio and Millesimo link tollgate	Feasibility Study - Design	Completed
AUTOVIE VENETE S.p.A.	Italy	Modernizing and Upgrade of Superhighway A4*	Design Review	Completed
ANAS S.p.A.	Italy	Murgia - Pollino new road (160 kms.)	Design	Completed
VIANINI LAVORI S.p.A.	Italy	Rome Ring Road GRA, works of adaptation to three lanes*	Design Review	Completed
PIEDMONT ROADS REGIONAL AGENCY	Italy	Urgent works for the construction of a by-pass gallery located below a landslide area*	Design Review	Completed
		Construction of the Regional Road No 23 (two bypass sections)*	Design Review	Completed

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Roads & Highway



RAILWAYS, SUBWAYS & METROS



Railways, Subways & Metros

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
IRR-IRAQI REPUBLIC RAILWAY COMPANY (MINISTRY OF TRANSPORTATION)	Iraq	Rehabilitation of Existing North and South Railway Lines	Feasibility Study and Preliminary Design	In Progress
CITTA' DI TORINO	Italy	Turin's Subway - Line 2 - Rebaudengo - Politecnico functional section*	Design Review	In progress
IRR-IRAQI REPUBLIC RAILWAY COMPANY (MINISTRY OF TRANSPORTATION)	Iraq	Consultancy services for the complete study to develop the Iraq High-Speed Railway in conjunction with Grand Faw Port (Al-Faw - Fishkabour 1200 km)	Prefeasibility & Feasibility Studies	Completed
IRR-IRAQI REPUBLIC RAILWAY COMPANY (MINISTRY OF TRANSPORTATION)	Iraq	Consultancy services for the complete study to develop the Iraq High-Speed Railway in conjunction with Grand Faw Port (Al-Faw - Fishkabour 1200 km)	Preliminary & Detailed Design	In progress
RFI - RETE FERROVIARIA ITALIANA	Italy	New railway connection Bergamo station - Orio al Serio Airport	Design	In progress
FERROVIE NORD MILANO	Italy	Saronno - Como Railway Line Milano - Asso Railway Line*	Design Review	In progress
ENTE AUTONOMO VOLTURNO (EAV)	Italy	Railways Lines and Stations managed by EAV	Project & Construction Management	In progress
FLORENCE MUNICIPALITY	Italy	Light Rail Transit - Florence*	Design Review	In progress
ITALFERR S.p.A.	Saudi Arabia	Saudi Landbridge Railway Project*	Project & Construction Management & Risk Management	Completed
BBT SE-BRENNER BASE TUNNEL	Italy - Germany	Monaco - Verona Railway Axis (Exploratory Tunnel)*	Design Review	Completed

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Railways, Subways & Metros

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
METRO C S.p.A	Italy	New Rome Underground Line C	Design- Construction	Completed
NAPOLI METRO ENGINEERING	Italy	Naples Underground Metro line no. 6	Design	Completed
FREYSSINET SAUDI ARABIA	Saudi Arabia	Riyadh automated people mover system - Track works for PNU project	Design - Construction Supervision	Completed
GRANDI STAZIONI SpA	Italy	Modernization Works of the 13 Most Principal Italian Railways Stations *	Design Review	Completed
METRO C CONSORTIUM	Italy	Construction of the new Metro Line C in Rome. Support to the implementation of the quality system	Project & Construction Management	Completed
METRO CAMPANIA NORDEST S.r.l.	Italy	Modernizing and Upgrade of Secondigliano - Capodichino Railway Line in Naples *	Design Review	Completed
ASM S.p.A.	Italy	Venice's Funicular Railway Construction*	Design Review	Completed
MINISTRY OF INFRASTRUCTURES AND TRANSPORTS	Italy	Catania's Railway Line Extension*	Design Review	Completed
METROPOLITANA MILANESE	Italy	Naples Underground Metro line no. 6	Design - Construction Supervision	Completed

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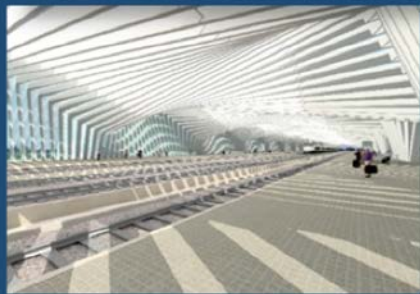
Railways, Subways & Metros

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
LYON TURIN FERROVIAIRES SAS	Italy, France	New Railway Connection Turin (ITALY) – Lyon (FRANCE)*	Design Review	Completed
ITALFERR S.p.A.	Italy	High Speed Railway System – Rome junction	Engineering – Project & Construction Management	Completed
ITALFERR S.p.A.	Italy	High Speed Railway System – Bologna junction	Engineering – Project & Construction Management	Completed
ITALFERR S.p.A.	Italy	High Speed Railway System – Naples junction	Engineering – Project & Construction Management	Completed
FIAT ENGINEERING	Italy	High Speed Railway System: Turin – Milan line	Design	Completed
ITALFERR S.p.A.	Italy	High Speed Railway System: Rome – Naples line	Engineering – Project & Construction Management	Completed
ITALFERR S.p.A.	Italy	High Speed Railway System: Milan – Verona line	Engineering – Project & Construction Management	Completed
ITALFERR S.p.A.	Italy	High Speed Railway System: Bologna – Florence line	Engineering – Project & Construction Management	Completed
ITALFERR S.p.A.	Italy	Implementation of the Risk Management System	Risk Management	Completed

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Railways, Subways & Metros

High Speed Railway - Italy



- ✓ Italian High Speed Railway Project (HSR) is a massive undertaking comprising the construction of new High-Speed Network across Italy with more than 1,000 Kms of newly rail track
- ✓ BTP INFRASTRUTTURE (as member of TPLAV consortium) has been entrusted by Italferr (Italian State Railway engineering Firm) as PMC consultant, project control, design review and on-site supervision of railway construction.

Railways, Subways & Metros

Rome Metro Line C – Italy



- ✓ Rome Metro C is the third, fully automated line that runs 26 kms overall throughout the Ancient City, of which 17 kms underground and 8 kms above ground.
- ✓ Projects include 20 underground stations and 10 on surface.

Naples Metro Line 6 – Italy



- ✓ BTP INFRASTRUTTURE S.p.A has been entrusted with Design, Procurement and Construction of civil works, excavations and MEP installations for two main stations.

Railways, Subways & Metros



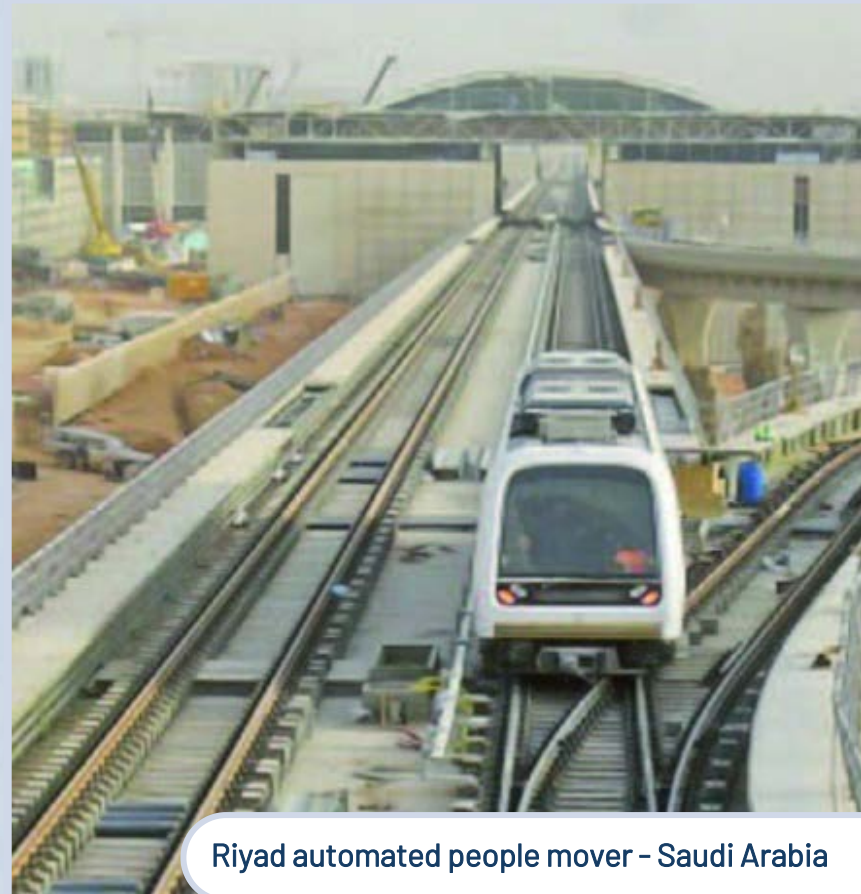
Metro Underground Stations

Railways, Subways & Metros

BTP INFRASTRUTTURE S.p.A has carried out EPC, Design review and Project Management contracts on major tram projects

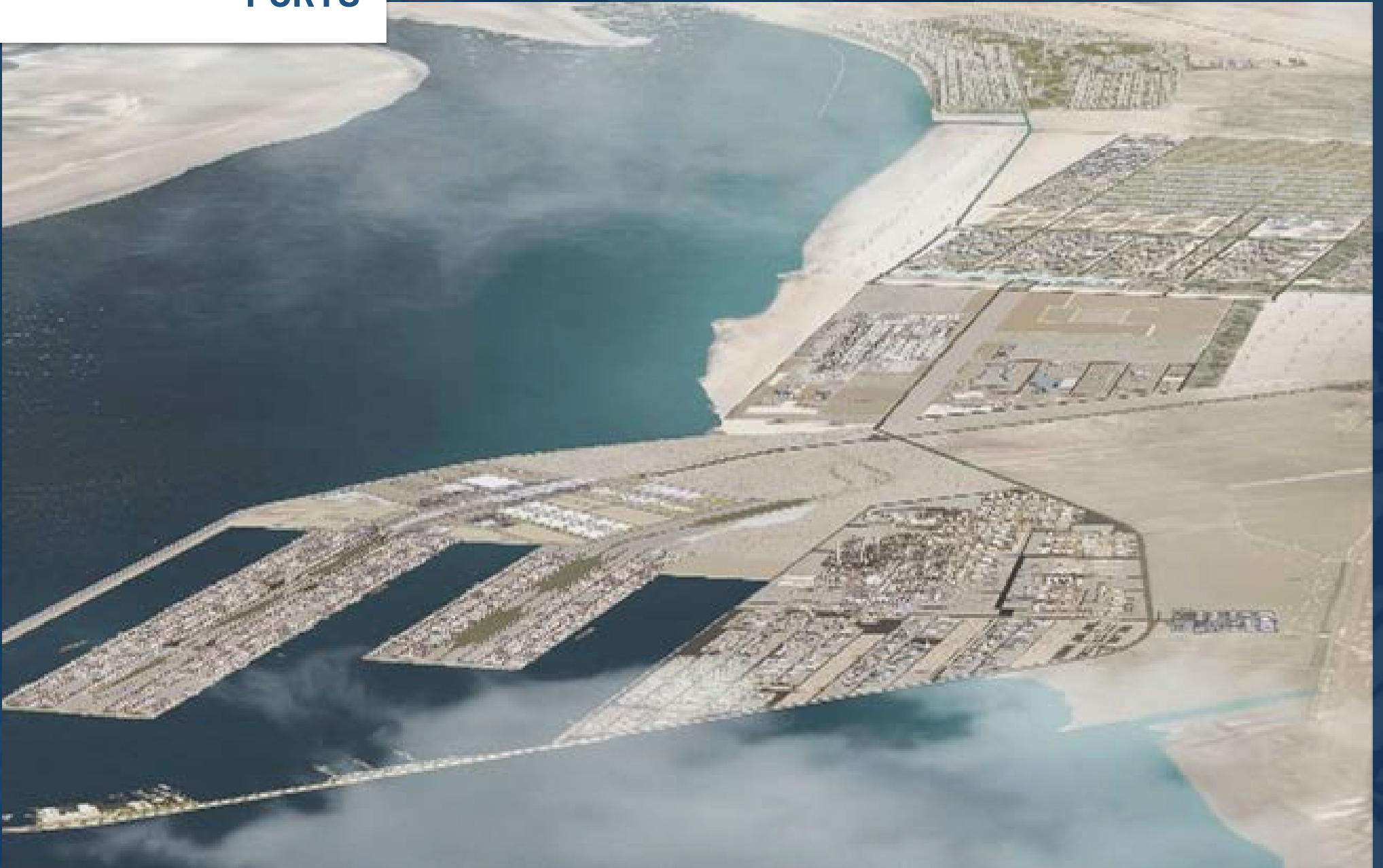


Light Rail Transit Florence - Italy



Riyad automated people mover - Saudi Arabia

PORTS



Ports

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
MINISTERO DELLA DIFESA	Italy	Program "Basi Blu" - Engineering Design for the upgrading and modernization works Augusta Navy Base-	Design	In progress
Autorità di Sistema Portuale del Mare di Sicilia Orientale	Italy	Design for the completion of the new Container Terminal of the Commercial Port of Augusta-3rd Phase PORTO	Design	In progress
Autorità di Sistema Portuale del Mare Tirreno Centro-settentrionale	Italy	Technical-economic Feasibility Project" Design of the Commercial Terminal -Civitavecchia	Design	In progress
Autorità di Sistema Portuale del Mare Adriatico Centro-settentrionale	Italy	Construction supervision and Safety Coordination for the construction of the breakwater in protection of FSRU in Ravenna	Construction Supervision	In progress
Autorità di Sistema Portuale del Mare di Sicilia Orientale	Italy	Construction works for the consolidation and replenishment of the armour layer, and the reinforcement and enhancement of the breakwater's head in the port of Catania	Construction Supervision	In progress
Autorità Di Sistema Portuale del Mar di Sardegna	Italy	Construction of the Ro Ro Terminal in the Canal Port of Cagliari	Construction Supervision	In progress
Autorità Di Sistema Portuale del Mar Ionio	Italy	Works for the demolition and reconstruction of the r.c. deck at the San Cataldo - West Side dock.	Design	In progress
Ministero delle Infrastrutture e dei Trasporti - Provveditorato Interregionale alle Opere Pubbliche - Veneto - Trentino Alto Adige - Friuli Venezia Giulia - Sede di Venezia,	Italy	Construction of the West bank section of the West Industrial Canal 'Idromacchine' - Porto Marghera - Venice	Construction Supervision	In progress
		Works for the completion of the North bank of The Lusore-Brentelle canal in Porto Marghera - Venice	Construction Supervision	In progress
Autorità di Sistema Portuale del Mar Ligure Occidentale	Italy	Urban planning of the Genoa and Savona Port including the related Strategic Environmental Assessment procedure (VAS) and the preliminary studies and connected services	Design	In progress

Ports

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
Autorità di Sistema Portuale Mar Adriatico Meridionale	Italy	MANFREDONIA PORT Maintenance and modernization infrastructure	Design	Completed
Autorità di Sistema Portuale Mar Adriatico Meridionale	Italy	BRINDISI PORT Maintenance and modernization infrastructure	Design	Completed
MINISTERO DELLA DIFESA	Italy	Program "Basi Blu" - Adaptation and Modernization of the logistic support capacities of the bases of the Italian Navy - Naval base of La Spezia	Design	In progress
Taranto PORT AUTHORITY	Italy	Service of technical and operational support for the strategic works of the Port of Taranto.	Project Management	In progress
GCPI - General Company for Ports of Iraq (MINISTRY OF TRANSPORTATION)	Iraq	New AI - Faw Port	Design	In progress
Autorità di Sistema Portuale del Mar Tirreno Centrale	Italy	Framework agreement for the assignement of technical services of planning, Construction Management and design verification, relative to harbour works, roads and railways, updrading and redevelopment of buildings and environmental sustainability interventions to be implemented in the areas of competence of the Central Tyrrhenian Sea Port System Authority.	Design - Design Review	In progress
SOGEAR	Italy	Works for the construction of the New Intermodal Terminal of the Port of Gioia Tauro*	Design Review	In progress
Autorità di Sistema Portuale del Mar Tirreno Settentrionale	Italy	Maritime defense and dredging works foreseen in the new phase of implementation of the Piattaforma Europea including SIA and VIA*	Design Review	In progress
Taranto PORT AUTHORITY	Italy	Building Design and maritime works of the Port of Taranto*	Design Review	Completed

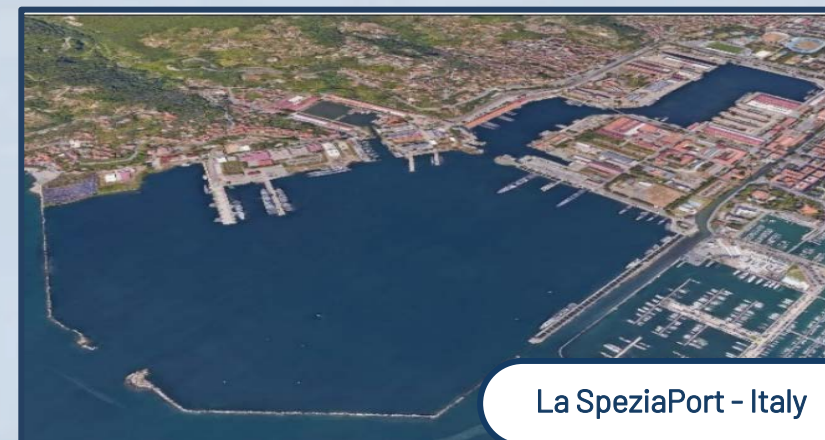
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Ports

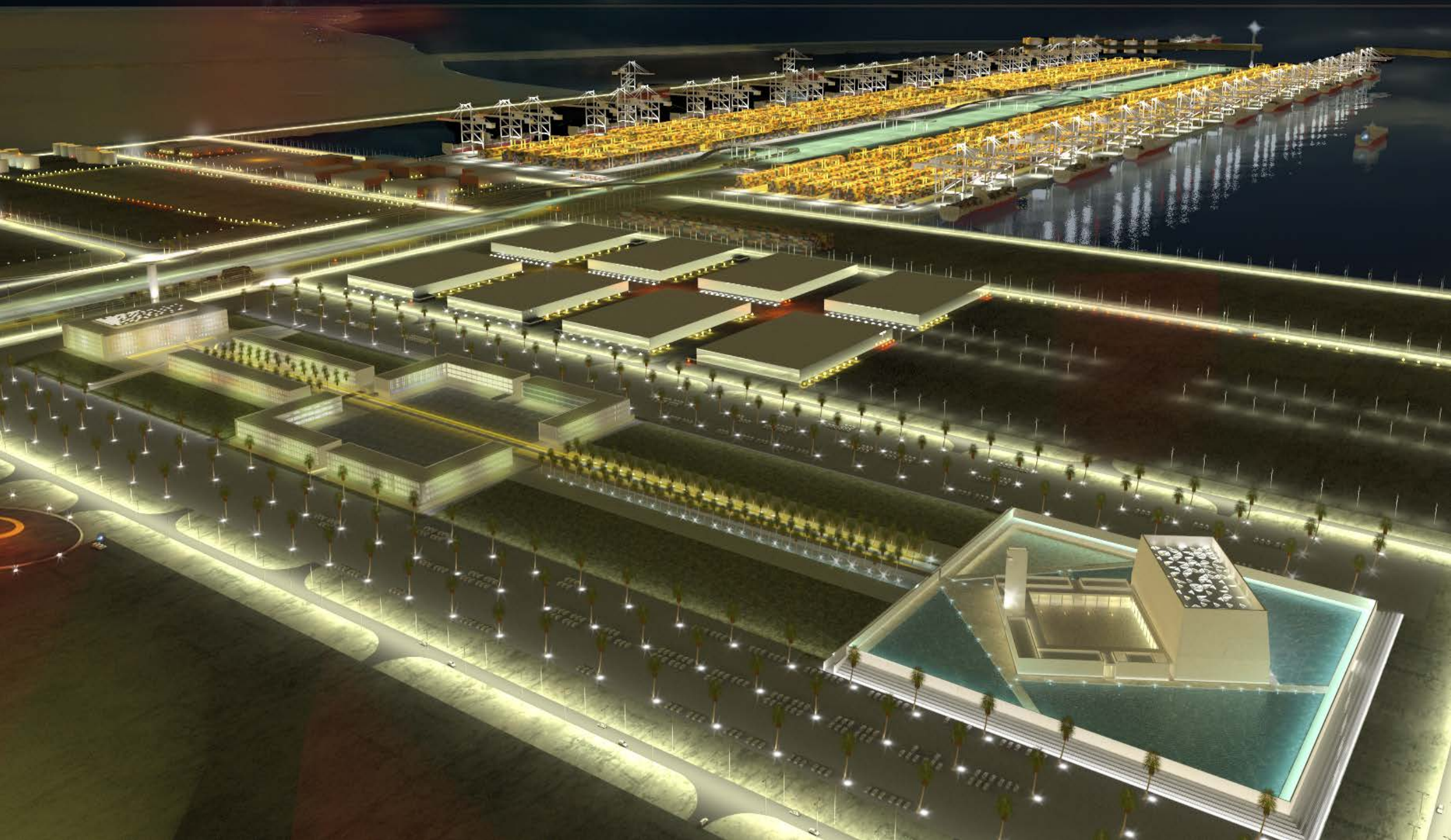
CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
MUNICIPALITY of Formia	Italy	Construction of the New Tourist Port of Formia*	Design Review	Completed
Venezia Nuova CONSORTIUM	Italy	MOSE System Project aimed to the control of Tidal Flows*	Technical control	In progress
Napoli PORT AUTHORITY	Italy	Dock and Terminal Adjusting Works*	Design Review Project Management	In progress
MUNICIPALITY of Formia	Italy	Adaptation and safety measures of port facilities for mooring cruise ships*	Design Review	Completed
Ancona PORT AUTHORITY	Italy	Construction of a new quay* & Construction of the Outer Wharf Overwave in the Port of Ancona*	Design Review	Completed
Civitavecchia PORT AUTHORITY	Italy	Construction works for the completion of Commercial Port of Gaeta*	Design Review	Completed
Taranto PORT AUTHORITY	Italy	Dredging works in the Port of Taranto*	Design Review Project Management	Completed
Civitavecchia PORT AUTHORITY	Italy	Reconstruction Works of the docks and construction of the new pedestrian walkway in the narrowing of the Fiumicino Channel*	Design Review	Completed
Trieste PORT AUTHORITY	Italy	Revamping & Upgrading of 3 quay cranes*	Design Review	Completed
MUNICIPALITY of Messina	Italy	Construction of the Tremestieri intermodal logistics platform (including the port of call) in the Messina Port*	Design Review	Completed
Civitavecchia PORT AUTHORITY	Italy	Construction of dock facilities and of ferry dock in the Port of Civitavecchia*	Design Review	Completed

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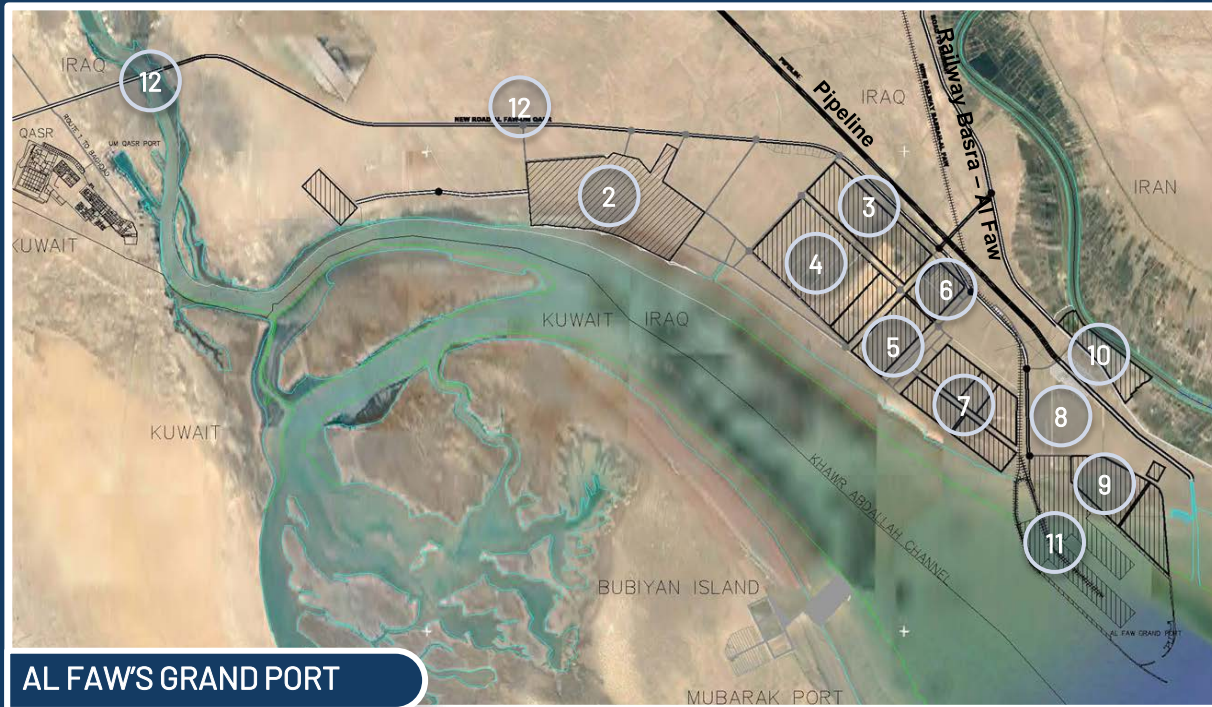
Ports



BTP FOR AL FAW'S DEVELOPMENT - IRAQ



AL FAW'S DEVELOPMENT



1. Tunnel
2. Al Faw's New City
3. Airport
4. Agrifood & Greenhouses
5. Light Industries
6. Dry Port
7. Heavy Industries, Power Plant, Desalination Plant
8. Pumping Station under construction by PEG
9. Refinery & Petrochemical
10. Al Faw's Expansion
11. Grand Port
12. New Road: Al Faw-Um Qasr

AL FAW'S GRAND PORT

BTP, in compliance with the CONTRACT signed between the MINISTRY OF TRANSPORTATION OF IRAQ and the IECAF Consortium (TECHNITAL, BTP (ex. PEG), RSG) on 14th January 2010, has been providing GCPI with Engineering Consulting Services related to the AL FAW's GRAND PORT, including:

- ✓ Preliminary Design
- ✓ Front End Engineering Design (FEED) & Tender Documents preparation
- ✓ Assistance at Tendering Stage
- ✓ Work Supervision (in progress)

AL FAW'S DEVELOPMENT

AL FAW'S PENINSULA

Further the above-mentioned services, BTP has been providing:

Master Plan of Al Faw's Industrial Area:

- ✓ Identification of main industries
- ✓ Preliminary sizing of industries, utilities & facilities
- ✓ Preliminary sizing of main corridors – roads and utilities – within the Industrial Area

Preliminary Design, FEED & Tender Documents preparation for 50 km of **Main Corridors – Roads and Utilities**, included within the Industrial Area

Preliminary Design for 75 km **Highway Um Qasr-Al Faw Grand Port**

Preliminary Design and FEED & Tender Documents preparation for all plants of the **Tunnel under the Al Khor – Zubair's Channel**



AL FAW'S DEVELOPMENT

AL FAW'S GRAND PORT: MAIN FEATURES

TERMINALS

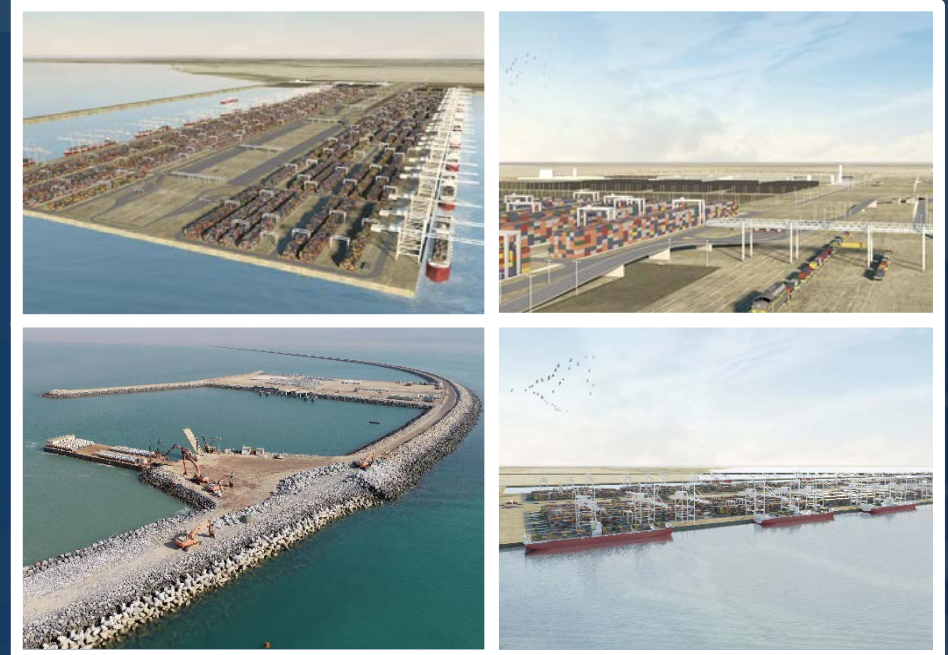
- ✓ Container Terminal: 7 km of quay handling 66M tons/year
- ✓ Bulk Terminal: 3 km of quay handling 33M tons/year

LAND INFRASTRUCTURE

- ✓ No. 61 Buildings (administrative, warehouses, equipment buildings, shelters, railway buildings) with a total surface of 70.000 m²
- ✓ Shelters with a total surface of 14.000 m²
- ✓ Fence with a total length of 8 km
- ✓ Roads, railways, parking and green areas with a total surface of 230.000 m²

PLANTS AND SYSTEMS

- ✓ Power Station No.4 Turbo-generators with gas turbine 120 MW each
- ✓ Sea Water intake No.5 Pumps 1.300 m³/hr each
- ✓ Desalination plant No.3 Thermal Units 130 m³/hr each
- ✓ Fuel Storage System, Electrical and Special Systems, Water Distribution System, Hydraulic Systems, Firefighting System



TANK FARM AND OIL TERMINAL

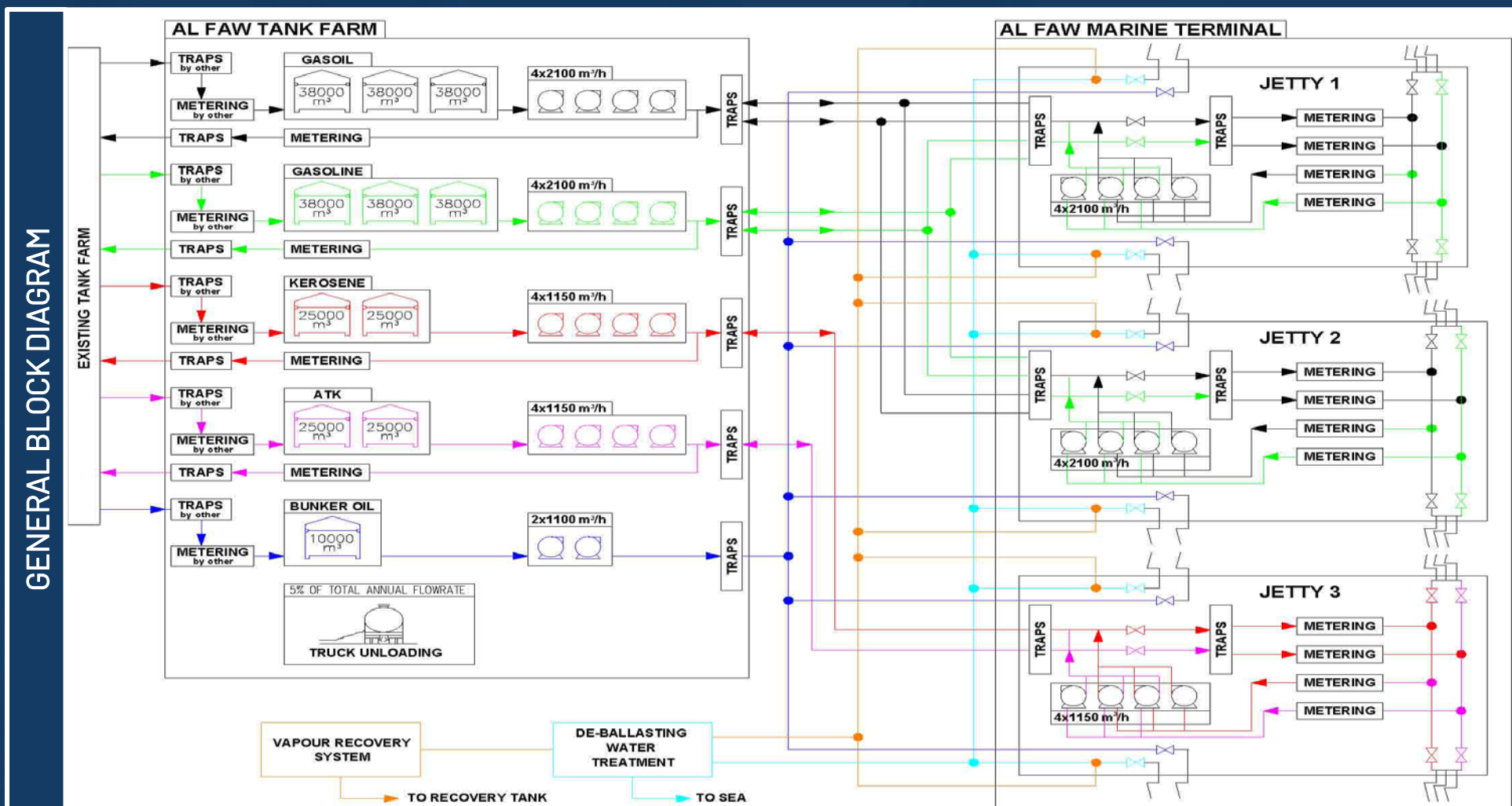
- ✓ **Storage Capacity:** Gasoil No.3 Tanks of 38.000 m³ each
Gasoline No.3 Tanks of 38.000 m³ each
Kerosene No.2 Tanks of 25.000 m³ each
ATK No.2 Tanks of 25.000 m³ each
- ✓ **Marine Terminal:** N.2 Jetties with 4 berths for Gasoil and Gasoline
N.1 Jetty with 2 berths for Kerosene and ATK

NAVY BASE

- ✓ Entrance Building & Access Control
- ✓ Administrative and Operational buildings
- ✓ Military Accommodation Buildings
- ✓ Heliport & Control Building
- ✓ Quay area: long quay for large vessel mooring and piers for smaller vessel berthing

AL FAW'S DEVELOPMENT

AL FAW'S GRAND PORT: OIL TERMINAL



AL FAW'S DEVELOPMENT

AL FAW PENINSULA MAIN FEATURES



URBAN DEVELOPMENT

- ✓ New Al Faw's city
- ✓ Al Faw's Expansion

TERTIARY/COMMERCIAL SERVICES

- ✓ Schools & Hospitals
- ✓ Canteens
- ✓ Shopping Malls
- ✓ Other Private & Public Services

UTILITIES

- ✓ Power Station
- ✓ Desalination Plant
- ✓ Waste Management
- ✓ Utilities Distribution

HEAVY INDUSTRIES

- ✓ Steel Making
- ✓ Refinery
- ✓ Petrochemicals

LIGHT INDUSTRIES

- ✓ Agrifood
- ✓ Textile and clothing
- ✓ Pharmaceutical
- ✓ General machinery & equipment
- ✓ Others

TRANSPORT LOGISTIC

- ✓ Cargo Airport & Facilities
- ✓ Dry Port
- ✓ Road Network
- ✓ Um Qasr-Al Faw Highway
- ✓ Basra - Al Faw Railway
- ✓ Pipelines

AIRPORTS



Airports

CLIENT	LOCATION	PROJECT DESCRIPTION	SERVICES PROVIDED	STATUS
GESAR S.p.A.	Italy	Works related to expansion of the flight path of the Olbia Aeroporto*	Design Review	In progress
A.D.R. S.p.A.	Italy	Construction of a third Office Tower and a third Hotel inside Fiumicino Airport premises*	Project Management	In progress
A.D.R. S.p.A.	Italy	Elimination / reduction of glare*	Design Review	Completed
A.D.R. S.p.A.	Italy	Airports L. Da Vinci - Rome, C. Colombo - Genova, G.B. Pastine - Ciampino, V. Catullo - Villafranca: Various interventions*	Design Review	Completed
A.D.R. S.p.A.	Italy	Airports Falcone e Borsellino - Palermo, L. Da Vinci - Roma, R. Sanzio - Falconara, G.B. Pastine - Ciampino, Venezia: Various interventions*	Design Review	Completed
A.D.R. S.p.A.	Italy	Bologna, Rome, Ciampino, Lamezia Terme, Falconara, Palermo Airports: Various interventions*	Design Review	Completed
A.D.R. S.p.A.	Italy	L. Da Vinci Airport: "C" dock construction works, yard installations for aircraft, baggage handling system*	Design Review	Completed
S.N.P.E.	French Guyana	Project Ariane II - Launching Ramp*	Design Review	Completed

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