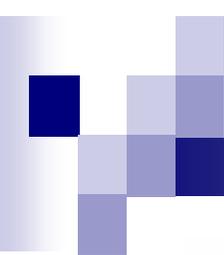


Company Profile

Joe Bugeja Associates





About Us

Joe Bugeja Associates is an Architectural and Civil Engineering firm based in Malta. It has offered a wide range of professional services to public and private clients for the last thirty years. Its field of specialisation is maritime-related works, container terminal design, development/project management and quality assurance.

It currently consists of a Lead Architect, a Design/Co-Ordinating Specialist, three civil engineers and an office support consisting of several trained personnel. The Company has, according to Work demands, also utilized a pool of consulting designers during intense project work.

The Practice has been engaged in all aspects of construction, landscaping and road works, ranging from Design, through Project Management, Co-ordination and Site Supervision to Quality Assurance and Quality Control. It is therefore familiar with recognised international design and construction procedures, contracting and certifying in compliance with requirements of International Certifying Bodies.

In addition to master planning the practice undertakes a wide range of other projects such as administration and office buildings, schools, buildings for science and technology within laboratories, structure and development planning for public and private clients, urban development planning and old town regeneration.

Professionalism and dependability of the Practice is its constant objective.

Our Mission

The Company's mission is to deliver innovative, comprehensive and high-value engineering solutions to the marine community. With respect to public and private clients, the practice aims to plan and create spaces for people to live-in by generating a high living standards and making sparing use of resources while maintaining a high level of design quality and environmental compatibility.

For JB Associates, architecture and engineering means teamwork, discussion, and service based on an exceptional level of mutual trust. Continuous dialogue and close co-operation with individual clients and others involved in planning, facilitates and rational solutions to even the most complex problems.

The Company's personnel is composed of creative, innovative and communicative individuals who share a fascination for their work, and a readiness to become fully involved with each developing project. Meeting the daily challenge of competition, in both large-scale and small-scale contexts and succeeding in its work is only possible with a team that is full of enthusiasm, and which is built on a basis of friendship and mutual trust.

Daily life in the office:

The strengths of all the team members are creativity, expertise, individual initiative and responsibility. With these qualities it becomes easier to achieve the optimal outcome.

Design & Construction of Radar at Dingli Cliffs



Breakwater Civil Refurbishment Works, Birzebbuga.

Contract Price: 11 Million Euro

Project Duration: June, 2010 to September, 2012



Client: Transport Malta

Location: Birzebbugia Malta

The Marsaxlokk harbour is located on the South East coast of Malta having a breakwater arm 970 meters long. The underwater structure of the breakwater is formed in 28 in number concrete pre-cast caissons placed upon a rubble mound foundation whilst the superstructure and wave deflector are constructed in cast in situ concrete.

This project is designed to carry out refurbishment works within damaged concrete upon the super structure, deck and wave deflector. As with regards the underwater works, these will include the refurbishment of caisson joints from the deck side and plugging of underwater caisson joints gaps.

As a Project Management Team, JB Associates was responsible to co-ordinate the activities taking place on site with various personnel involved in the project to ensure that work proceeds according to Contract, within the time schedules and in accordance with the Construction Management Plan and the Quality Assurance Plan.

Breakwater Civil Refurbishment Works



Phase 1 – Removal of concrete cover and corroded re-bars



Phase 2 – After Hydro-blasting



Phase 3 – Positioning New Re-bars



Phase 4 – New Reinforcement



Phase 5 – Concrete Shuttering System



Phase 6 – Finishing works



Client: Oiltanking Malta

Location: Birzebbugia Malta



Oiltanking Malta, Birzebbuga.

Contract Price: 15 Million Euro

Project Duration: May, 2005 to November, 2010

For the last 5 years Oiltanking Malta engaged the services of JB Associates as an Architectural and Civil Engineering Firm for the infrastructure up-keep and development. For these works the agreement was based on the FIDIC standard form of contract.

During the contract duration, OTM increased its tank storage capacity by 160,000 metric tonnes of Class 1 and Class 3 fuel Oils. Additionally these tanks were equipped with fixed/ floating roofs and built in accordance to Class III fire risk standards. These tanks were also fully integrated with the exiting infrastructure including fire fighting and waste water treatment. For these works the Practice was responsible for the planning submissions and guidance for the development of tank farm.



Before



After

Transport Malta Boiler Wharf

Contract Price: 650,000 Euro

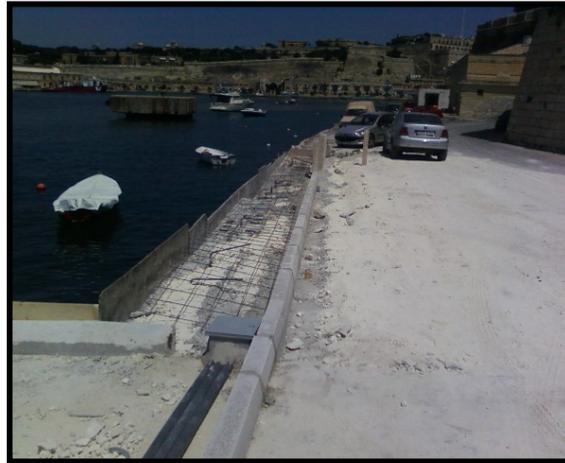
Project Duration: May, 2009 to March, 2011.

The overall project rationale behind the tender for Design and Engineering Services at Boiler Wharf was to design to construction stage an extension of the existing quay to provide a straight edge and maximise the use of the structure, thus allowing the docking of cruise liners of 300m LOA.

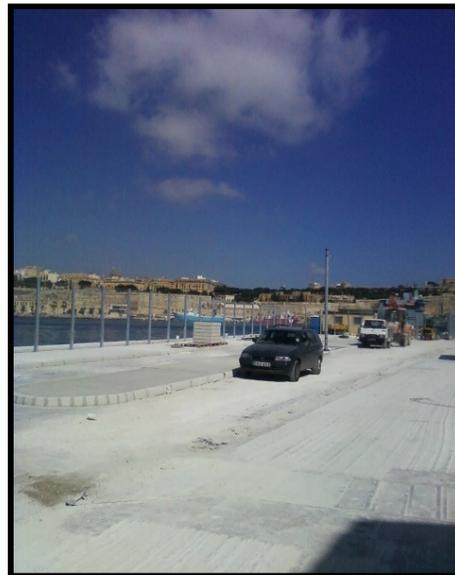
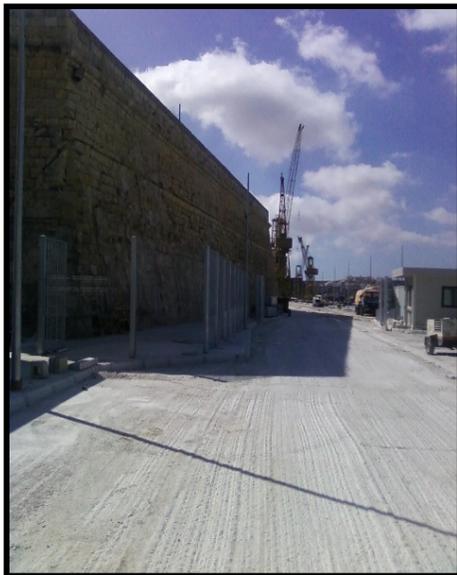
The design allowed for the safe and efficient embarkation and disembarkation of passengers and include all extraneous requirements for passenger terminals including mooring facilities and quay furniture, access road widening and structural upgrading and a programme of minimal dredging to ensure berth depth while maintaining structural integrity of the existing quay.

In this project JB Associates were responsible for project management and engineering design.

Transport Malta Boiler Wharf



W o r k P r o c e s s e s





Client: Malta Freeport

Location: Birzebbuga Malta

Construction Works at Terminal 2, Stiffening of Terminal 1 Quay and Dredging of Fairway - Malta Freeport Terminals Ltd

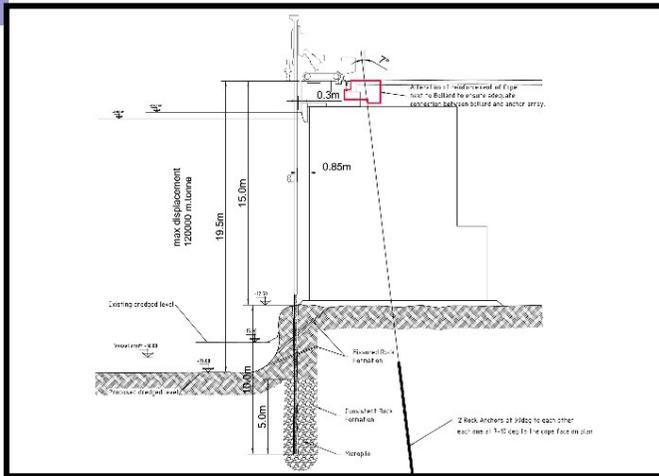
Works Price: Over 150 Million Euro

Project Duration: 1999 to Present

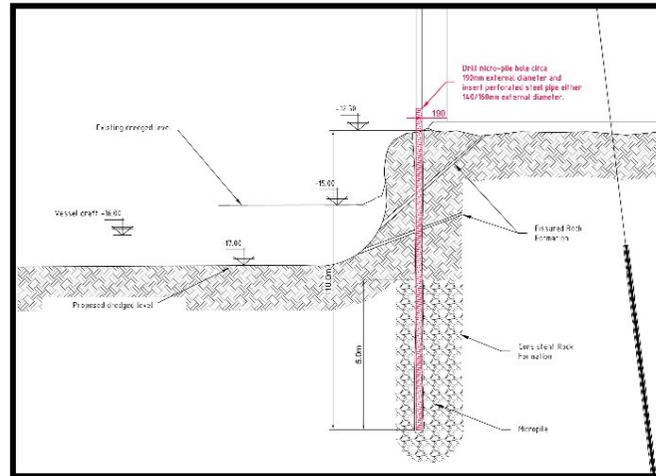
The Works are located in the Marsaxlokk Harbour. The port is one of the Leading Mediterranean Transshipment port and is located on the southern coast of the islands of Malta.

Joe Bugeja was the lead Engineer of the consulting team for these works which includes the construction of Terminal 2, dredging, deepening and upgrading of the fairway up to -17m from the LAT, building of tow protection foundation wall along side the terminal (South and West Quays, Terminal 1) and the construction of underwater quay side structure retaining wall following the dredging works along side the quay walls.

Stiffening and Dredging at Malta Freeport Terminal 1

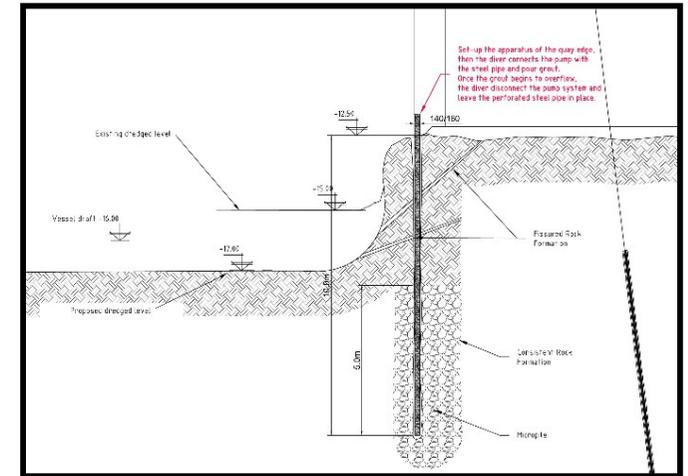


Proposed Quay Strengthening



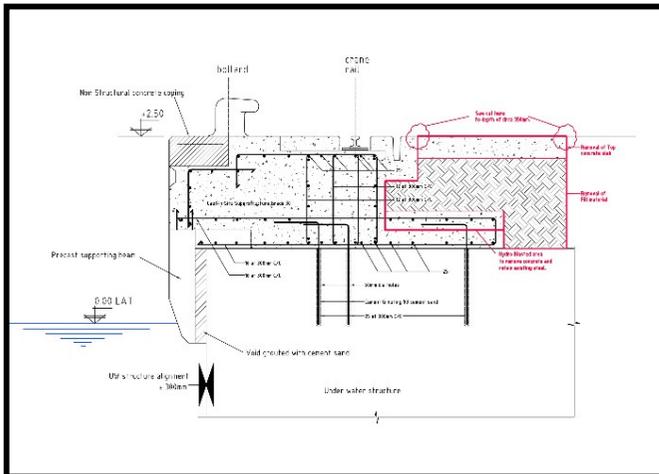
Micro-Pile Installation System

Phase 1



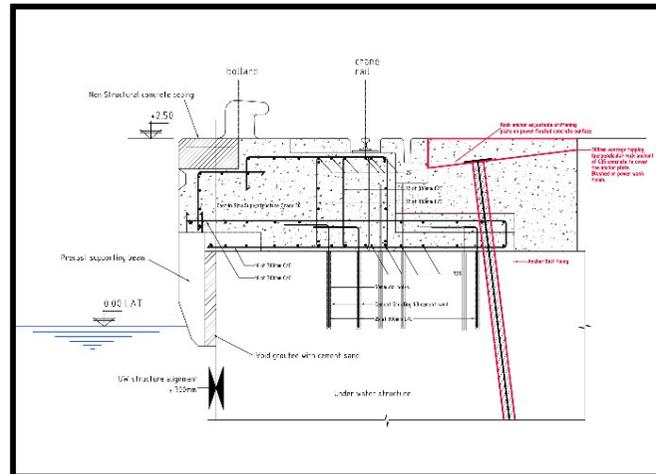
Micro-Pile Installation System

Phase 2



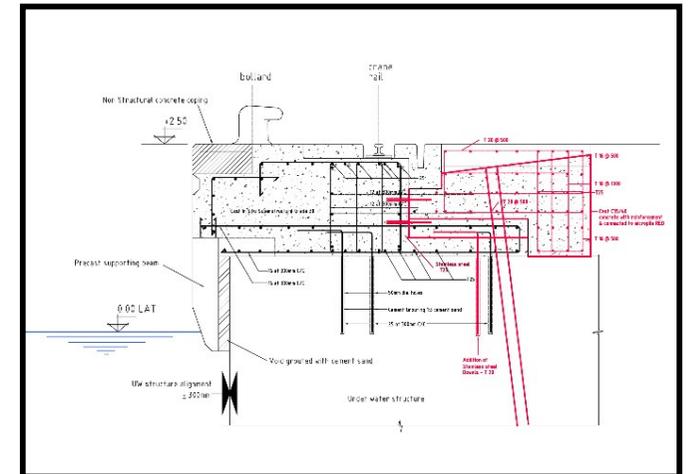
Anchors Installation System

Phase 1



Anchors Installation System

Phase 1



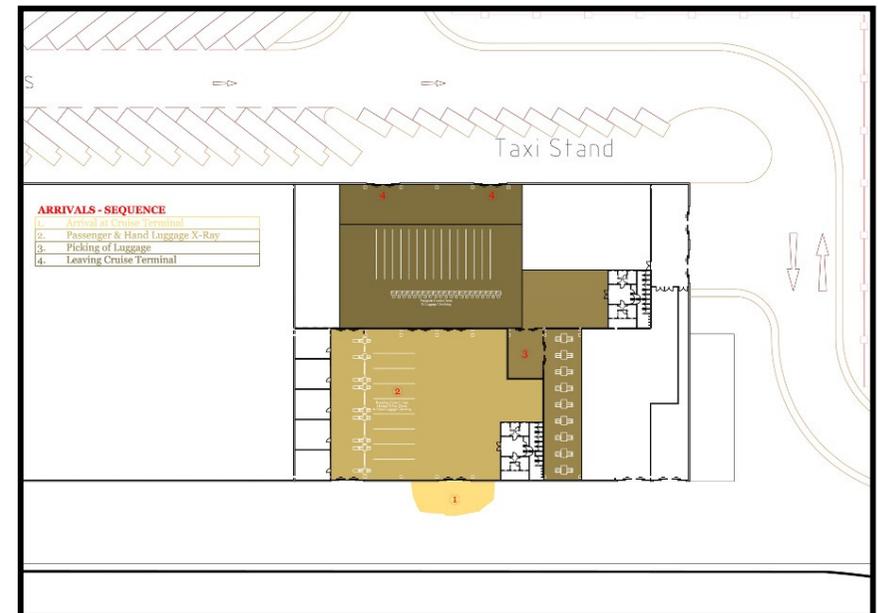
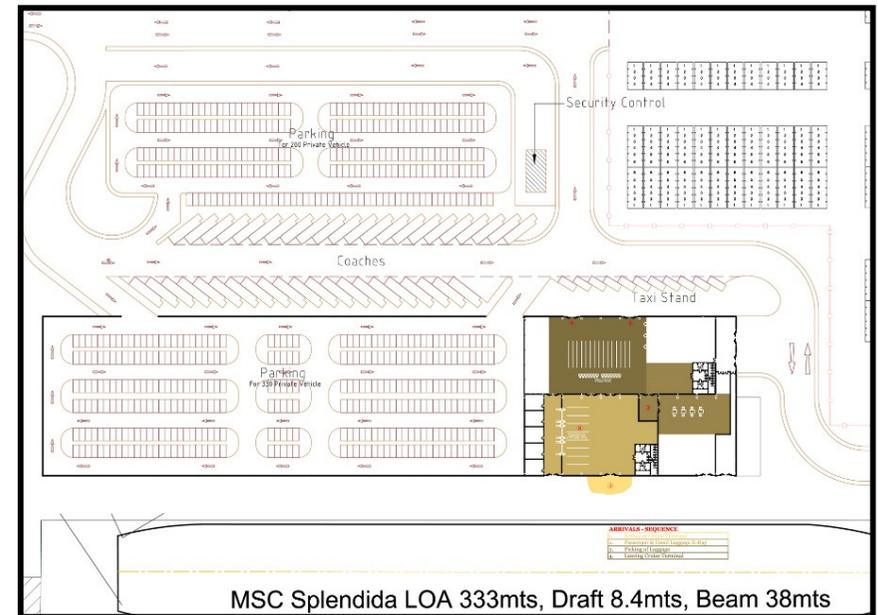
Anchors Installation System

Phase 1

Terminal Intermodale Venezia (TIV) in Venice, Italy

JB Associates is a prime maritime consultant in Terminal Intermodale Venezia S.p.A. (TIV). This alliance ensures that TIV can position itself in the Adriatic region's logistic market with assertion. TIV is a container terminal which primarily handles import and export cargo. It represents the ideal meeting point between land and maritime transport for goods coming from or going to the Mediterranean, Black Sea, Middle East and Far East.

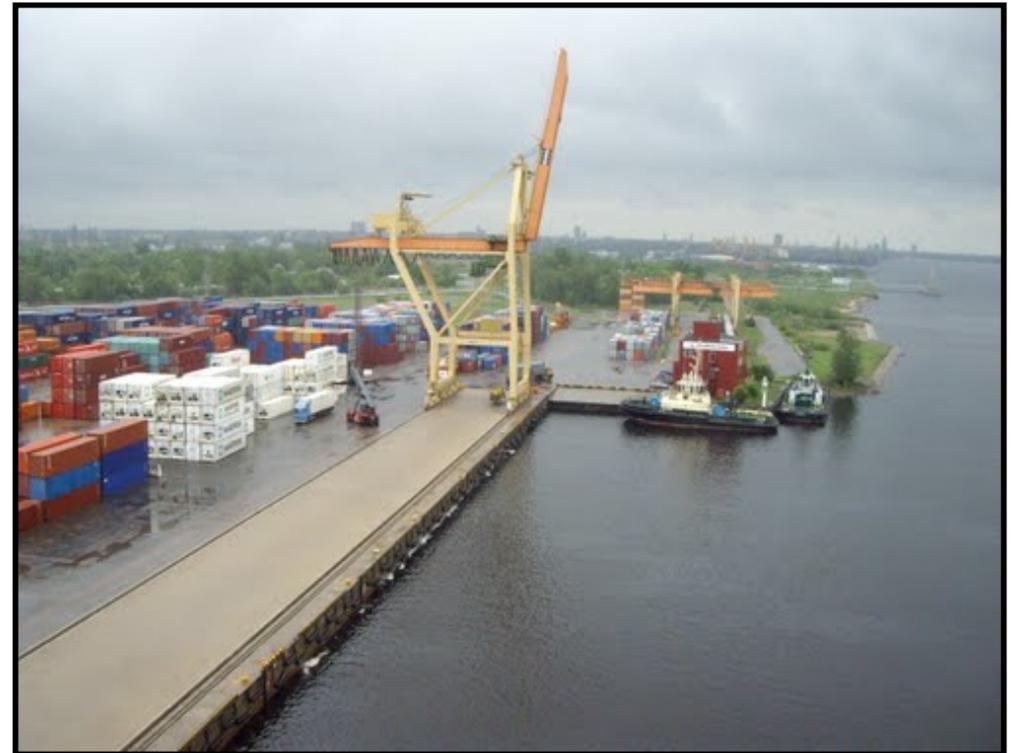
The Terminal is located within the Venice Lagoon at the Port of Marghera which lies on the Northwest of the Adriatic with access from the sea granted by two main channels - Malamocco to the south of the lagoon and Lido to the North. The Port is one of the most important industrial areas in Italy and directly connected to the main motorways linking the Terminal to Milan, Udine, Tarvisio, Trieste, Rome, Bologna, Belluno, Brennero, Eastern Europe, Austria and Germany. Train connections to the main Italian cities and European cities are also guaranteed.



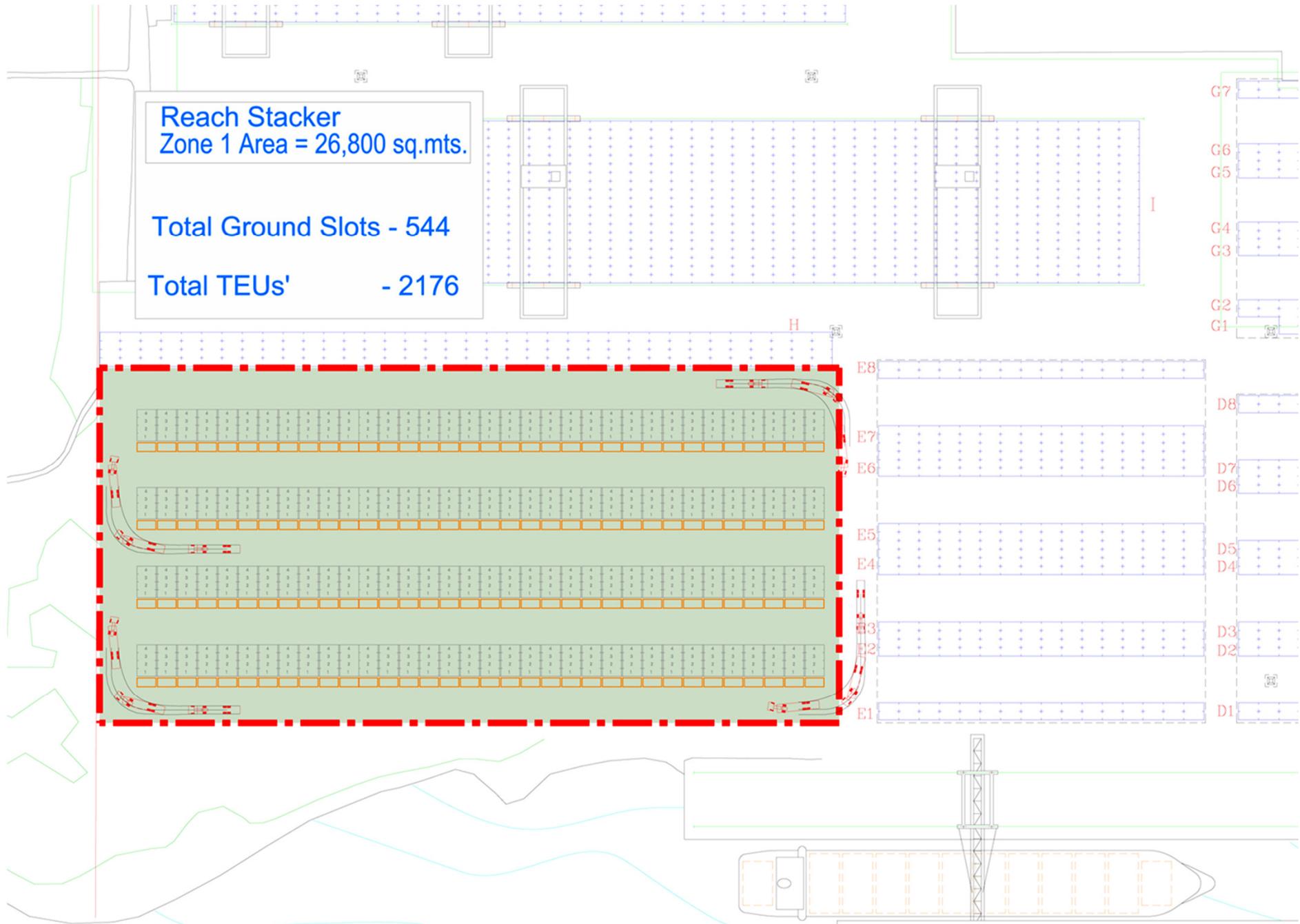
SIA Baltic Container Terminal (BCT) in Riga, Latvia.

SIA Baltic Container Terminal (BCT) is found in the Freeport of Riga, Latvia. The Terminal's principal activities include the berthing of vessels, the loading and discharge of containers, reefer storage, warehousing of cargo, un/stuffing of containers, as well as other ancillary activities.

BCT has invested heavily in sophisticated terminal computerisation systems to ensure efficient real-time management of the entire container handling cycle. In order to meet the clients' growing demands BCT also organises continuous training courses in various spheres at all levels of personnel thus attaining a multi-skilled workforce capable of operating flexibly and efficiently who show commitment and pride in the firm. For these works JB Associates has been providing design and consulting services over a number of years.



SIA Baltic Container Terminal



Container Freight Station, in India.

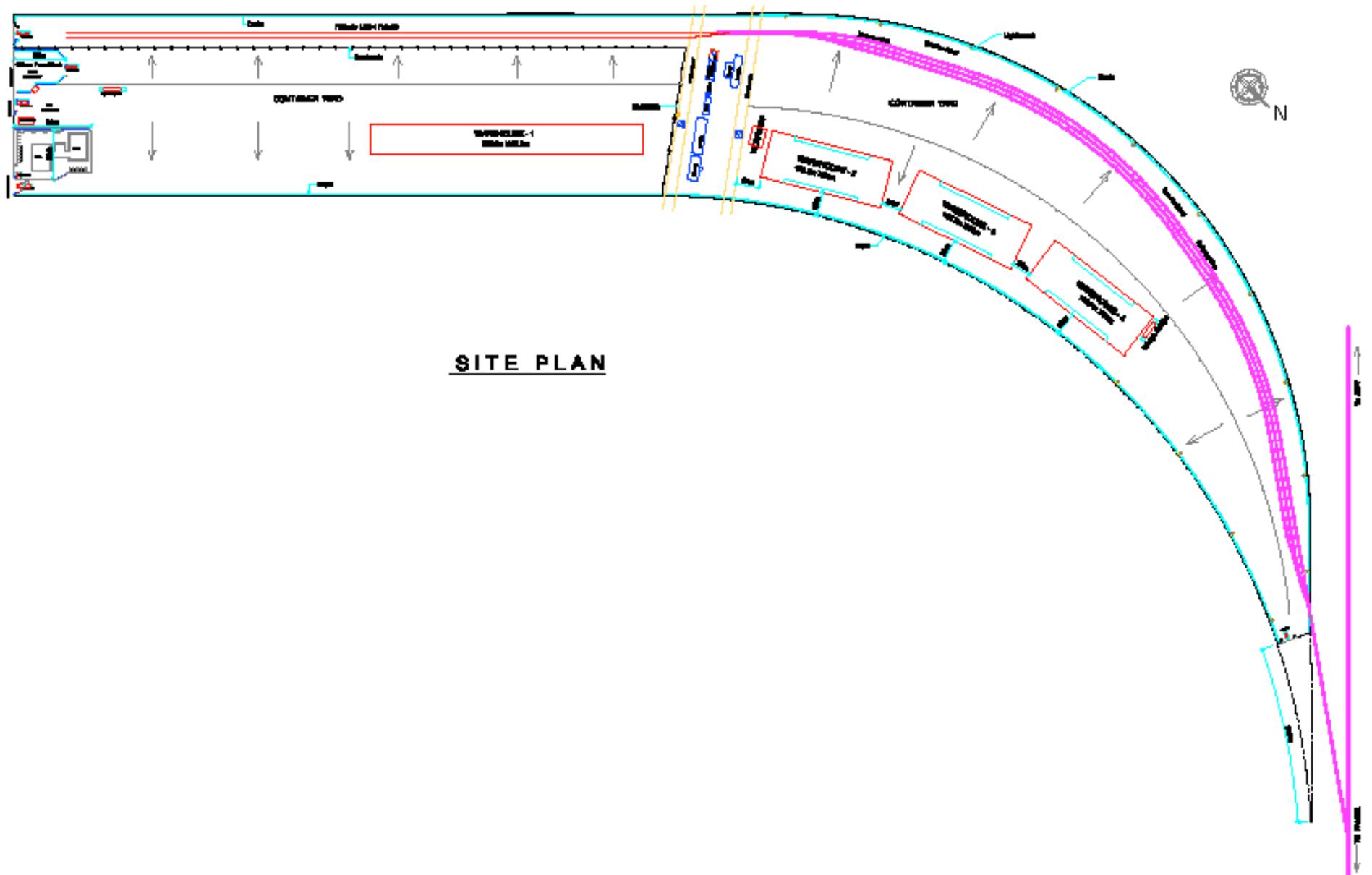
Hind Terminal Pvt. Ltd. (hereinafter referred to as Client) proposes to set up Container Freight Station with Rail Side Container Handling Facility (CFS) at JNPT, Dronagiri, Navi Mumbai, India to provide a logistic hub for containerized / containerizable. Services to be covered at CFS are:

- Receipt and dispatch / delivery of bulk cargo and containers.
- Stuffing and de-stuffing of containers.
- Transit operations by rail / road to and from serving port to hinterland.
- Consolidation and desegregation of LCL cargo.
- Temporary storage of cargo and containers.
- Reworking of containers.
- Maintenance and repair of container units / equipments / vehicles.
- Custom clearance.

As part of its development, JB Associates was appointed as an the expert for the CFS Master Planning and the Basic Engineering including proof checking of design and detailed engineering.



Container Freight Station



Shotcrete Works at Piazzetta



Reinforcement works at Piazzetta were necessary after demolition & excavation works produced foundation cracks. Thus mechanical reinforcement was needed and shotcrete applied to ensure complete concrete penetration.

Other Projects

Locally

Construction and Finishing of a **Crane Manufacturing Factory** at Hal-Far costing Euro 4.0 million.

Construction of 3,000 square metres **Sports Complex** at Saint Aloysius' College, Birkirkara, including a full-size, synthetic football pitch with athletics track costing Euro 2.0 million.

Storm Water Flood Relief including construction of a housing apartment block at Tal-Wejter, Birkirkara costing Euro 1.5 million

Construction of a 3,000 square meter **Warehouse Complex** in tal-Handaq costing Euro 1.0 million

Wave Penetration Studies for the Environmental Impact Assessment of Development at Marsaxlokk Bay – Project Estimated Cost 1 Million Euros

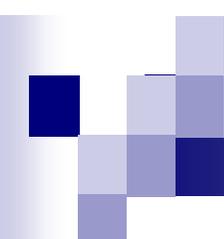
Design, Planning Permits and Development supervision for the **Extension of a Precast-Concrete Factory in Hal-Far** – Estimated Cost 1 Million Euros

Consultancy and design for **Re-Routing Underground Services** at Mdina – Cost 1 Million Euros

Overseas

Design and contract specifications for a **Hotel** in the Bahamas

Consultancy on Inland Container Terminals in Kenya, Tanzania and East Africa



Contact

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“Having over thirty years experience in Maritime transport infrastructure and operational management of container terminals and port development I pursue further activities in this specialisation. I travel regularly on port development and terminal management projects in Europe, Asia and Africa. My local office is involved in corporate scale developments in Malta as well as mentoring an independent quality and geotechnical laboratory run parallel with the professional practice.”

- *Joe Bugeja*