

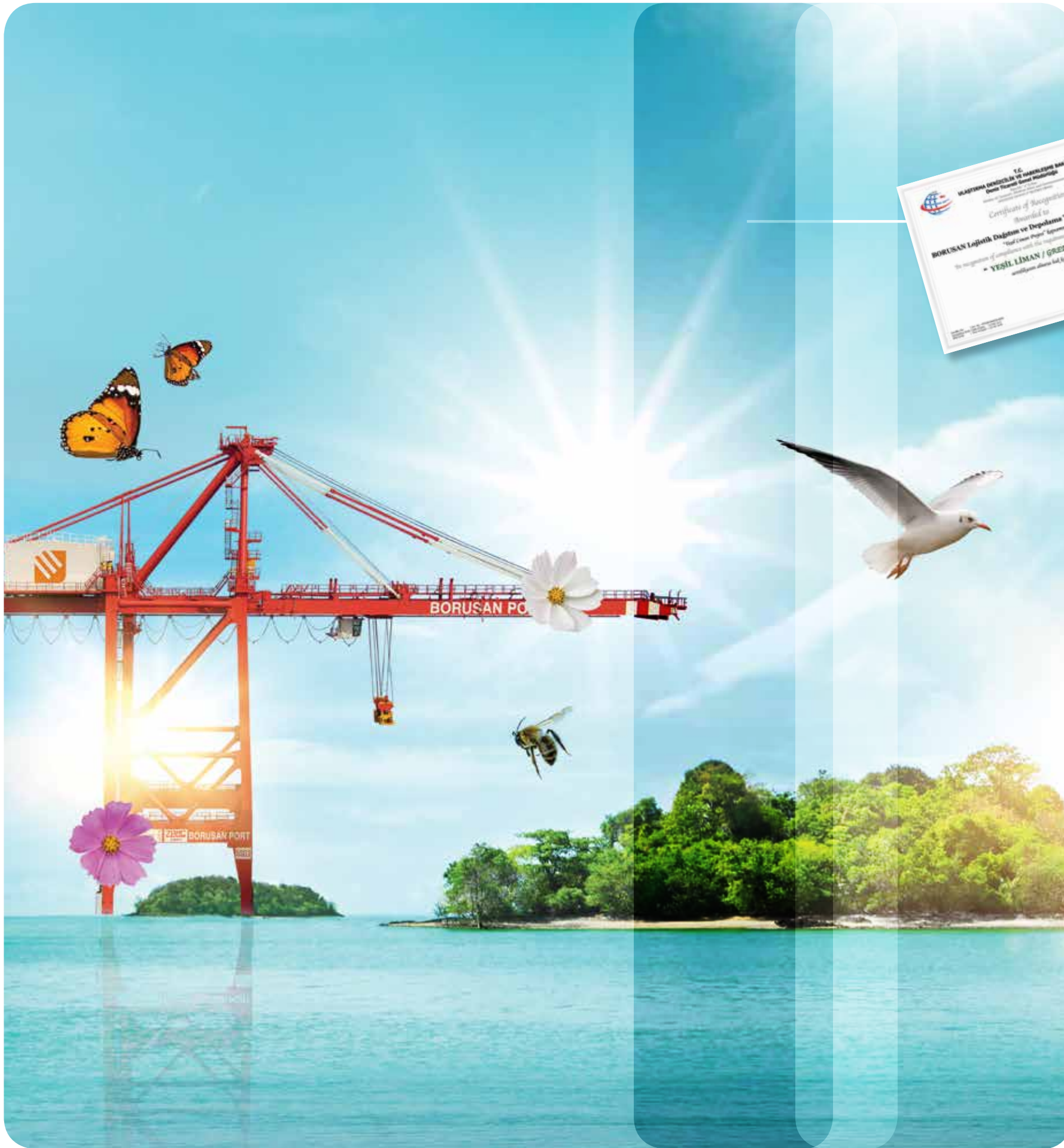
The port that makes a difference and creates value: **Borusan Port**



**BORUSAN
LOJİSTİK**



BORUSAN PORT CERTIFIED GREEN/ECO PORT



Borusan Port Certified Green/Eco Port

Borusan Port in Gemlik is one of the first ports to acquire the status of "Green/Eco Port" by acquiring the "Green/Eco Port Certificate" due to its dedication to environmental sustainability.

Through projects involving conversion of RTG's to electricity, which were completed in 2014, we have improved our carbon emissions by 94% which means the saving of 5.768 trees annually and meeting the oxygen needs of 11.600 people. In its first phase, this project generated 1,2 million kWh of energy saving and an additional 1,5 million kWh was saved in the second phase of the project which was completed in 2016. Through recycling and improvements at our port, we have applied thermal treatment to 3.000 m³ of wood in use thereby ensuring the protection of an additional 12.000 trees and meeting the oxygen requirements of 25.000 people annually. With our waste recycling system, we continue to protect minimum number of 10.000 trees by the year.

Protection and improvement of sea water quality, reduction of environmental pollution stemming from port operations to minimum levels, maximization of energy efficiency in port operations, minimization of harmful emissions, and improvement of environment, work health and safety standards to the highest possible levels are core issues we work relentlessly to achieve.

We continue our journey without compromising on our commitment of "being a green player in a grey sector".

**We are well aware that
there is no other planet for
us to live in.**

We aim for perfection

We have the human resources, technical know-how and equipment necessary to achieve excellence in performance. We are result-oriented. We aspire high, and keep sight of our final goal as we do our work. We are inquiring, participative and sharing. We stay up-to-date with new developments, and support new ideas and ventures. We embrace a learning and evolving business culture. We distinguish and reward employees who make an effort for self-improvement and who contribute visibly through high performance.

We satisfy our customers

The customer is our focus. Each of us individually is a representative of Borusan; we work to contribute to our customer's business with every decision or action we take. We offer the best products and services to clients in all our fields of activity, and strive to stay ahead of the competition. We anticipate the needs of customers as they evolve in order to be able to come up with solutions proactively.

We take initiative and responsibility

At every level of the organization, we take charge of the work we are tasked with and assume responsibility for its progress. We accept calculated risks and turn them into opportunities. We recognize the contribution of each individual or function to the task at hand, and support them for value maximization. We do our best to simplify our organizational structures as we work with integrated and efficient systems in an open communication environment.

We are reliable

We conduct our cooperation with employees, customers, suppliers, shareholders and other business partners on the basis of transparency, continuity, mutual trust and integrity. We only make promises we can keep, and take utmost care to deliver on our word. We comply with the law as well as ethical rules in all our activities, demonstrating fairness, goodwill and understanding as we work for mutual gain.

We contribute to the society

We give priority to promoting education and cultural activity in our society. We volunteer in projects that respond to societal needs. Environmental responsibility is a core concern in all our business processes as well as in social activities.

MISSION

To be the strategic business partner of our customers providing them the best solution for their end-to-end supply chain requirements.

VISION

To create value for our business partners by providing services that make a difference in competition.





BORUSAN PORT LOCATION

Borusan Port
TRGEM
Gemlik Bay / South
Marmara Sea / Bursa / Turkey
Coordinates

40° 25' 12" N
25° 05' 18" E

With a name that derives from “Gemlik-vessel home” first recorded as early as the 11th century, Gemlik Bay has been serving as a vessel haven and a hub of maritime trade since antiquity. Today, Gemlik is the export gate of Southern Marmara Region where Turkey’s major centers of industry and export converge.

HISTORY

Port services have been an important component of Borusan Lojistik’s service portfolio since 1984. In 2007, the section was identified as a strategic field of activity, and Borusan Port management was restructured as a separate business unit. Borusan Port, strategically located at the Gemlik Bay, Bursa, is a major import and export gate into the Turkish heartland as well as a key transit hub for international trade, offering world-class container, general cargo, project cargo, bulk cargo, vehicle (PCC), port and terminal services round-the-clock with an in-house professional staff.



TERMINALS



Borusan Container Terminal, BCT

Borusan Port boasts a flexible and versatile service range. The 465.000 sqm bonded/unbonded total area of the port has been reorganized into two separate terminals to boost operational efficiency. One terminal inaugurated in 2010 handles containers and vehicles, while the previously established terminal takes care of general cargo and project cargo.

Services

- Container loading/unloading/shifting services
- Container stuffing/stripping services
- Reefer container port services
- Container lashing/unlashing services
- Container terminal services

Container Terminal Specifications

Berth	900 m
Vessel type	635 m LOA
	Super Post Panamax
	14.5 m depth
	13.500+TEU vessel capacity
Terminal Equipment Over Sea	20 rows handling
	AREA 120.000 sqm

BORUSAN MULTI-PURPOSE TERMINAL, BMT

Services

- General cargo loading/discharging/shifting/L/S/D services
- Vehicle loading/discharging services (passenger car and H&H)
- Terminal services (bonded/unbonded, entrepot)
- Bonded/Unbonded warehousing services
- Project cargo services

Multi-Purpose Terminal Specifications

Berth	838 m
Vessel type	284 m LOA
	Panamax
	60.000 DWT
	12 m maximum depth
Terminal Equipment Over Sea	AREA 215.000 sqm




VEHICLE
HANDLING
SERVICES


CONTAINER
SERVICES


GENERAL
CARGO
SERVICES


PROJECT
CARGO
SERVICES

Services

Container Services

With a 635 m. linear berth space, 14,5 m. water depth, 3 SSGs and 3 MHCs, BorusanPort container terminal represents the highest standards in the region. Thanks to a full array of hi-tech equipment the port boasts exceptional speed in ship handling, guaranteeing a service level of 90 cont./hr. to main line ships. Borusan Port offers the best facilities in the Gemlik Bay to feeder ships as well, including 6 alternative berths of 200 m. and over. Ship and yard operations are planned and managed fully integrated each other.

Services

- Container loading, unloading, shifting services
- Container terminal services
- CFS services (container stuffing, stripping, sampling, full inspection, etc.)
- Reefer container services
- IMCO class container services
- Container LSD (Lashing/Securing/Dunnaging) services

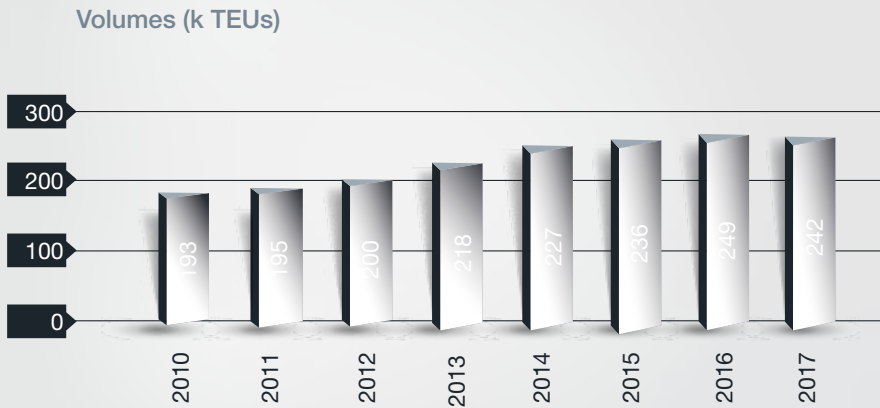
Container Capacity

CONTAINER	AREA (sqm)
TOTAL INDOOR AREA	
Bonded	120.000
TOTAL OUTDOOR AREA	
Unbonded	50.000

Container Capacity of the Port: 450.000 TEU/yr
Bonded CFS Capacity: 500 TEU/day
Unbonded Empty Container Area Capacity: 5.000 TEU



Container Operation Volumes



Average SSG Operation Rate: 30 moves per hour

Container Information Management System

All operational processes at Borusan Port are handled by automated systems coordinated through the IT infrastructure.

- Together with other global ports, Borusan Port implemented Navis Sparcs N4 in March, 2011.

Prime-Route and Auto-Stow modules were brought into operation later in the year to enable terminal truck optimization and faster planning of Navis Sparcs N4 applications.

- Superior tracking
 - All trucks are registered in pregate before port entrance in order to avoid congestion inside the terminal area
 - Tracking loading/unloading movements of the vessel
 - IMDG container management system
- RTG operations are also IT assisted
- Customers are notified of container status via SMS for inspection and full inspection procedures.
- 120 cameras monitor the whole port round the clock both for security and for operational continuity.



Value Added Container Services

- Container washing with hot/cold water
- Loading/securing/dunnaging all types of special consignment containers (L/S/D)
- Special CFS area equipment for handling all kinds of products
- CFS tent for handling all kinds of weather-sensitive consignments



General Cargo Services

Borusan Port leads the general cargo market in its region, mainly handling steel products (rolled steel, pipes,sheet metal, steel profiles and other steel product), palletized goods, big bags and packaged products. The port has an annual capacity of 5.000.000 tons. Offering customers bonded and unbonded warehouses and A-type entrepot areas, Borusan Port manages all processes “ vessel loading, discharging, terminal and warehousing service” in an integrated each other

Services

- General cargo loading and discharging services
- Terminal services
- Warehousing services (bonded-unbonded)

General Cargo Capacity

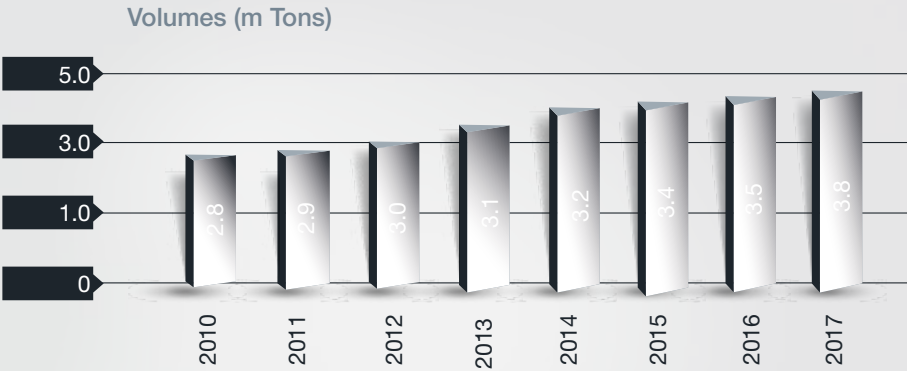
General Cargo Capacity	
General cargo capacity of the port:	5.000.000 ton
Bonded covered warehousing capacity:	100.000 ton

Value Added General Cargo Services

- On board lashing services (L/S/D: Lashing, Securing, Dunnaging)
- Professional welding and other mechanic services



General Cargo Operation Volumes



General Cargo Information Management Systems

Information Management System

- The entire operation is tracked via BOPSNET
- Interconnected and integrated systems with customer
 - All products are tagged with RFID
 - Customers are regularly updated with customized reports
 - Online customer monitoring of cargo information is offered
- Web-based vessel registering

Stock Management System

- Also embedded into BOPSNET, allowing for
 - Stock tracking in 3D
 - Instant data transfer
 - Minimal load shifting

Trailer and TTU Optimization

- BOPSNET also optimizes trailer and truck routing
 - Enabling fuel saving
 - Environmental friendly

Vehicle Handling Services

With a terminal area recently accomodate min. 6.500 vehicles, Borusan Port leads the regional competition in terms of car park as well. Thanks to the proximity of the park area to the berth, cars can be loaded on Ro-Ro vessels at rates as high as 150 vehicles/hour.

Services

- Vehicle loading/discharging services (passenger car and H&H)
- Stevedoring services
- Washing services
- On board lashing services

Car Park Capacity

CAR PARK	AREA (sqm)
Car Park	90.000

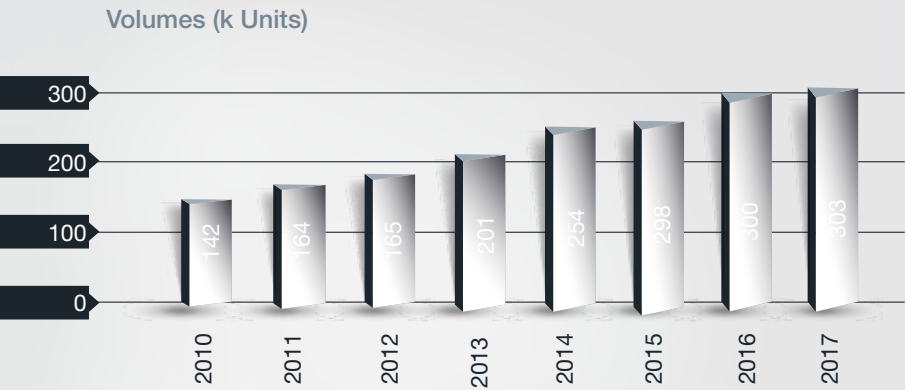
Park Area Capacity: min. 350.000 vehicle/yr

Vehicle Handling Information Management Systems

- BOPSNET is fully integrated with customer’s system, enabling online data sharing and stock tracking (Borusan Port’s in-house developed IT system)
- Vehicle entries and exits are tracked on a unique chassis code basis
- Online access to customers’ stock and past operation information



Car Park Operation Volumes



Average Ro-Ro Operation Rate: 125 vehicles/hr



Value Added Car Park Services

- Stevedoring services
- On board lashing services
- Brand based car control services
- Washing services
- Repairing services for minor damage detected in vehicles
- Labelling Service
- Fuel Service
- Battery Boost
- Basic Maintenance

Project Cargo Services

Borusan Port handles the largest project type consignments in Turkey. Staff expertise, special equipment and superior location are only a few of the reasons why Borusan Port is the first choice of customers for oversized project cargo transportation.

The port yearly handles about 40.000 tons of project type cargo of varying sizes and weights. The top three highest tonnage single piece project cargo loads (1.100 ton/unit, 550 ton/unit, 350 ton/unit) handled in Turkey in 2010 were all dispatched from Borusan Port.



A person wearing a high-visibility yellow and black safety vest over a light-colored long-sleeved shirt is holding a bright yellow hard hat. The background is a blurred construction site with a crane and orange safety barriers under a clear sky. The image is divided into three vertical panels by thin white lines.

PORT HEALTH AND SAFETY EXECUTIVE

Security Values

Borusan Port is one of the first ports in Turkey to implement the ISPS code. 465.000 sqm area covered by;

- 32 security personnel
- Round-the-clock security presence in 24 hours
- Two-pronged patrolling - Port entrance and wharf entrance control points
- 1 security vehicle
- CCTV center

Port Health And Safety Executive

Borusan Lojistik's designated critical success factors include "Being the Right Company for Employees", and ensuring Health and Safety Executive is an essential component of securing this objective. OHSAS 18001 certified, Borusan Port plans its HSE activities systematically, and believes in continuous improvement.

Borusan Port implements HSE programs, provides regular training to employees and makes sure that safe working instructions are always at hand in work areas.

Borusan Port is also careful to ascertain the safety of third parties in the port. Every person who enters the port is issued a safety helmet, safety jacket and visitor guide at the gate. It provides a ring service for safe movement in the port area.

Borusan Port Business Health and Safety Simulation Center provides both real and virtual simulations to their employees. These are real simulations that include using of helmet against head injuries, using of proper safety shoes, circle cutting operation, standing while loading; virtual simulations that contain 8 major risks.



EQUIPMENTS



SSGs



- 1 SSG**
20 row handling
Max. 74 ton lifting
60 ton lifting from 56 m Twin lift spreader
30+ moves/hr/crane
- 2 SSG cranes**
18 row handling
Max. 70 ton lifting
56 ton lifting from 50 m Twin lift spreader
30+ moves/hr/crane

RTGs and Stackers



- 3 Reach Stackers**
Max. lifting capacity:
45 ton
- 3 Empty Stackers**
Max. lifting capacity:
10 ton

- 8 RTG cranes**
41 ton lifting capacity
7+1 stacking width
5+1 stacking height

MHCs (Mobile Harbour Crane)



- 1 Gottwald HMK7608 crane**
Max lifting capacity: 140 ton
- 1 Sennebogen 6180 cranes**
Max lifting capacity: 90 ton
- 2 Gottwald HMK260E cranes**
Max lifting capacity: 100 ton
- 2 Demac MC 300Q cranes**
Max lifting capacity: 63 ton
- 2 Liebherr LHM 150 cranes**
Max lifting capacity: 40 ton

Overheight Frame



- 2 OH Frames**
Max height: 210 cm

Overhead Bridge Cranes



- 2x20 ton
- 2x25 ton
- 2x32 ton
- 4x35 ton

Terminal Tractors / Trailers



- 7 Heavy Tractors
- 25 Light Tractors (including subcon tractors)
- 25 Container Trailers
- 33 General Cargo Trailers

Heavy Forklifts



- 2x33 ton
- 1x25 ton
- 1x20 ton
- 2x16 ton
- 1x7 ton



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