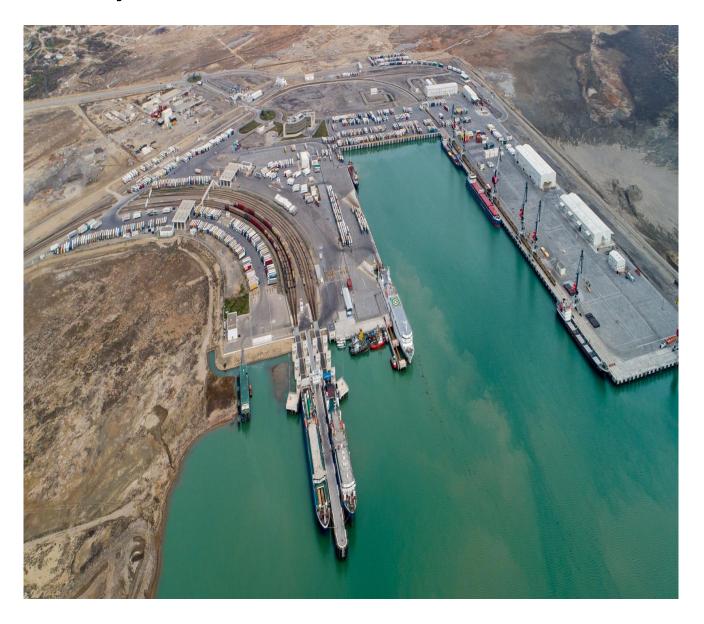
### **Ro-Ro and Ferry Terminal**

- The length of the existing port berths is 2,300 meters, and the number of mooring berths is 13.
- The Terminal has 4 mooring berths (2 for Ro-Ro, 2 for Ferry vessels;
- Ro-Ro terminal's handling capacity 1.8 million tons/year or 60.000 ITU's/year
- Ferry terminal's handling capacity- 6.2 million tons/year
- 2 Customs/Border checkpoint (each of them consists of 8 lines) for vehicles;
- Customs/Border checkpoint for passengers;
- Temporary waiting-room for passengers;
- Weigh bridge for vehicles;
- Import, export and transit park areas
- Closed warehouse for storage and transfer of deck cargo;
- Customs check point for clearance of vehicles and deck cargos;
- Universal tractors for discharging and loading of trailers from the vessels;
- Locomotives for sorting, discharging and loading of wagons;



## **Operations performed at the Terminal**

#### Vessel operations:

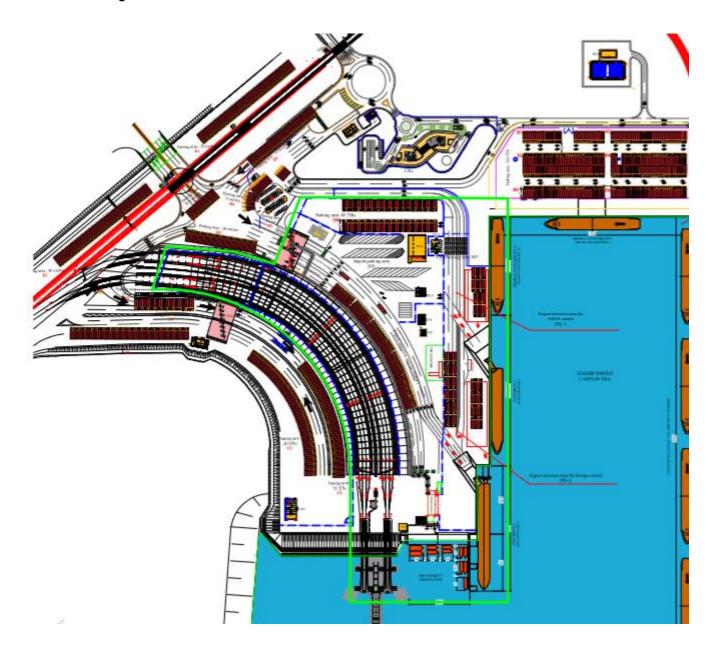
- · Berthing and unberthing of vessels;
- Providing vessels with fresh water, fueling and other needs
- Agent services for foreign vessels;
- Cargo handling operations:
- Loading and discharging of TIR's from/to vessel;
- Loading and discharging of trailers from/to vessel;
- Loading and discharging of private cars from/to vessel;
- Loading and discharging of wagons from/to vessel;
- Loading and discharging of deck cargo from/to vessel, receiving to warehouse and transporting
- Parking ITU's and transporting its
- > Passenger operation:
- Various services for passengers in the waiting room;
- Embarking and Disembarking passengers from/to vessel;
- Transportation of passengers;
- Luggage transportation;
- Documentation operation:
- Customs clearance of cargo
- Registration of cargo acceptance to the warehouse and handed from the warehouse;
- Registration of discharging and loading of cargo from/to vessel e.t.c



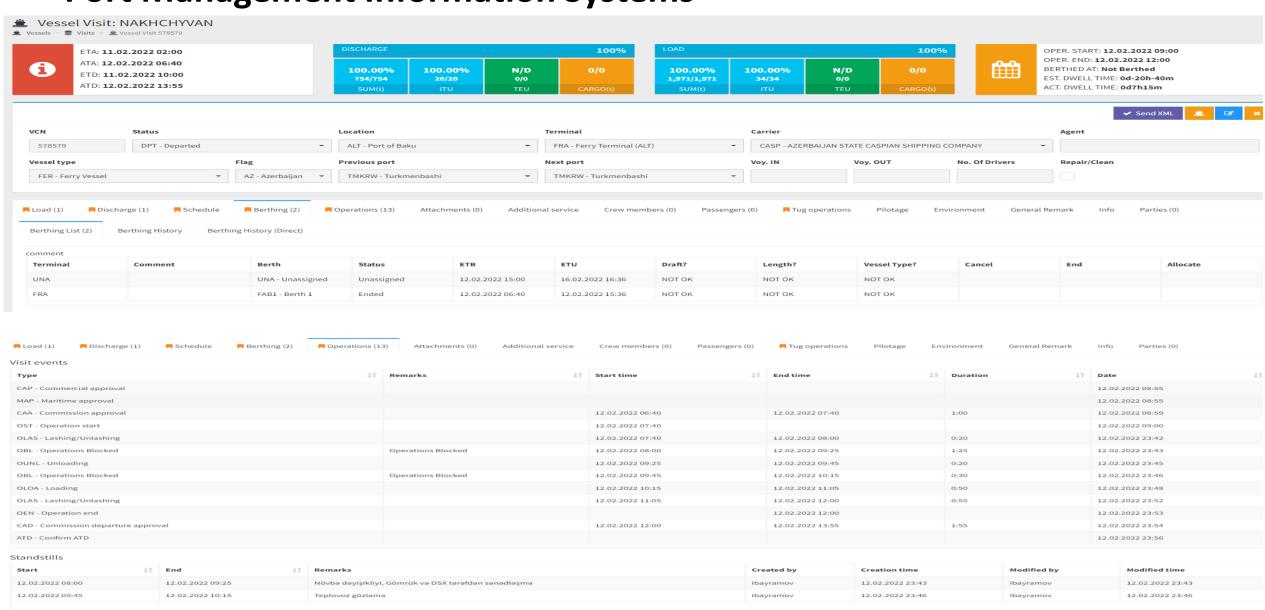


### **Operation steps**

- A loading manifest is prepared by the cashier office 5 hours before vessel mooring to the port (cargo plan on wagons prepared by dispatcher);
- The cargo manifest is submitting to customs for clearance;
- The manifest is clearing by customs within 2 hours;
- ITU's are inspected by the border and customs within 3 hours and parking in a neutral area (wagons in the rail park);
- The vessel is mooring to the berth;
- The commission inspects the vessel within 1 hour;
- The vessel is being discharged within 3 hours;
- The vessel is being loaded within 4 hours;
- Relevant documentation is done within 1 hour after the loading;
- Before unberthing the vessel, the commission enters the vessel and conducts the relevant inspection within 1 hour;
- The vessel leaves the berth;
- The disembarkation and embarkation of passengers are carried out in parallel with the loading;
- The total time spent for the implementation of these activities after the vessel's berthing the port may be a maximum of 11 (eleven) hours 30 (thirty) minutes.



## Operational steps recording and tracking over "Port Management Information Systems"



# The rules implemented in the port during pandemic

#### Rules;

- 1. Territory has been separated to zones and physical contact between zones has been prohibited.
- 2. All the drivers enter firstly to the quarantine zone and give a test, negative tested drivers enter to the zones accordingly,
- 3. Special waiting and testing space created for the passengers and their embarking process has been organized,
- 4. Disinfected all vehicles entering to the port in the entrance of the port and discharging vehicles in the exit of the vessel,
- 5. All the port employee have been tested and it is required cargo owners and guests to be tested before entering to the port,
- 6. It is required from all people entering to the port to wear masks and gloves,
- 7. It is required from Shipping companies to accept to the vessel only negative tested drivers and passengers in the departure port.

#### Separation of the territory;

Zone A: Quarantine zone for ITU and drivers

**Zone B:** The parking area for ITU destined to Turkmenistan which have negative test results,

**Zone C:** Parking area for ITU which have negative test results and are destined to Kazakhstan

**Zone D:** Parking area for tractors which have negative test result and waiting for their trailers

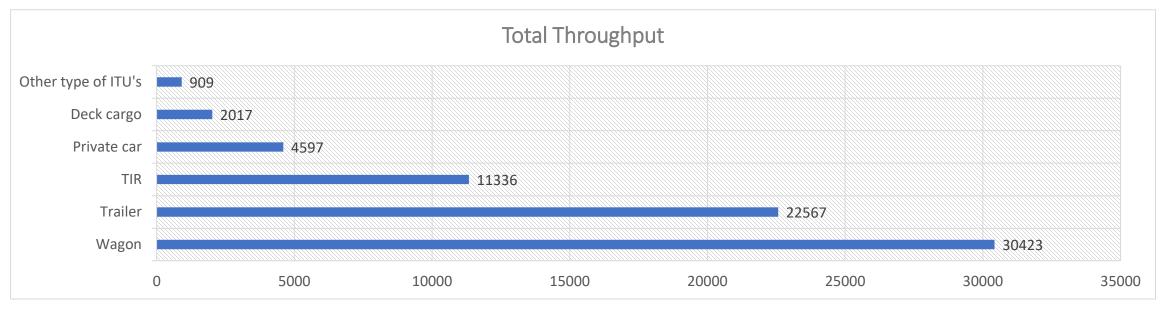
**Zone E:** Parking area for ITU which discharged from vessels

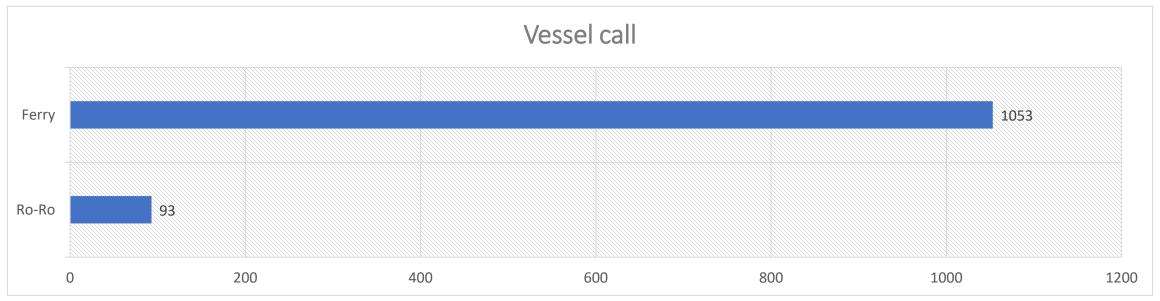


# Capacity of vessels mooring to the Ro-Ro and Ferry terminal berths

Vessel type	TIR	Trailer	Wagon	Passenger	Dimensions
Ferry vessels(Large)	-	-	52-54	12	154.3/18.3
Ferry vessels(Small)	32	41	28	36	154.5/18.3
Ro-Ro vessels (Large)	52	60	-	200	155/17
Ro-Ro vessels (Small)	28	33	-	25	126/16.2
Ro-Pax vessels	50	60	56	100	154.5/17.7

## **Statistical report of 2021**





Ümumi Yüklər terminalı - 2021 General Cargo Terminal - 2021

illiK Hesabat / Annual Report

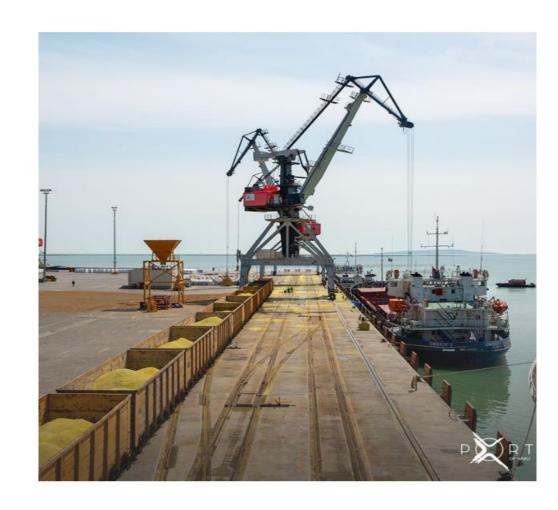


# Berthes of the General Cargo Terminal

- ➤ Berthes of the General Cargo Terminal— 6
- ▶ 4 of the berthes are equipped with railways.
- The 5th berth is used for handling project cargo, and the other berth is used for loading and unloading cargo from the trucks.
- ➤ Length of the berthes-300 m, 654 m and 260 m (From left to right)
- The average length of berthes is 150 m. 6 vessels can berth same time

# **Portal Cranes**

- The general cargo terminal is equipped with 6 new and 2 modernized portal cranes with different specifications.
- There are 3 types of cranes according to safe working load: 1) 2 x 80 t, 2 x 40 t and 4 x 32 t
- The cranes are equipped with various accessories according to the type of cargo spreader (for handling containers), grab (bulk cargo) and magnetic (for overturning metal loads).



# Warehouses

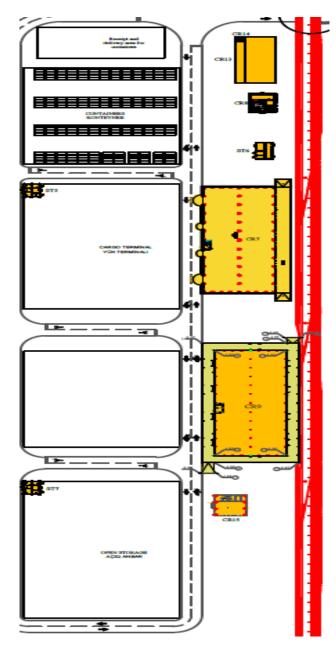
The general cargo terminal is equipped with an open warehouse area and closed warehouses for cargo storage.

Open warehouse area covering 46000 m2

2 closed warehouses with a storage area of 10,000 m<sup>2</sup>

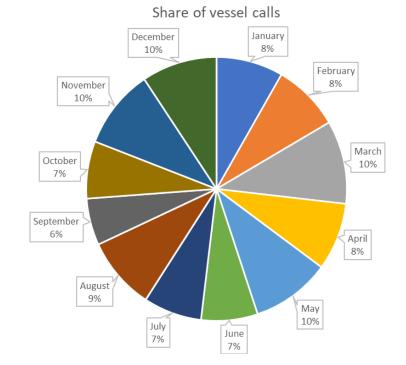
Container yard with 100,000 TEU container handling capacity and 1,200 TEU container storage capacity

Storage of goods arriving by wagons in closed warehouses. Two railway lines were built behind the warehouses





January	39
February	39
March	48
April	39
May	46
June	33
July	34
August	42
September	27
October	33
November	46
December	44

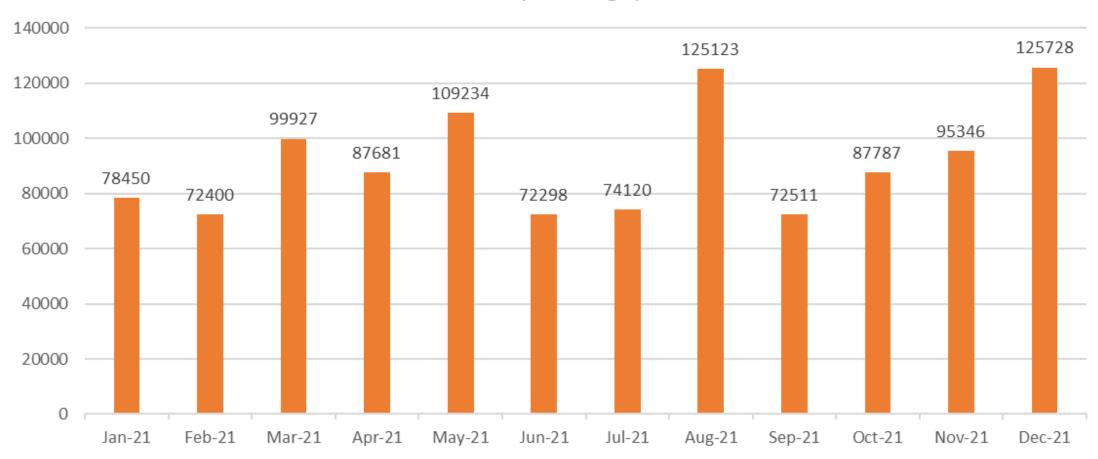


# Number of vessel call-2021

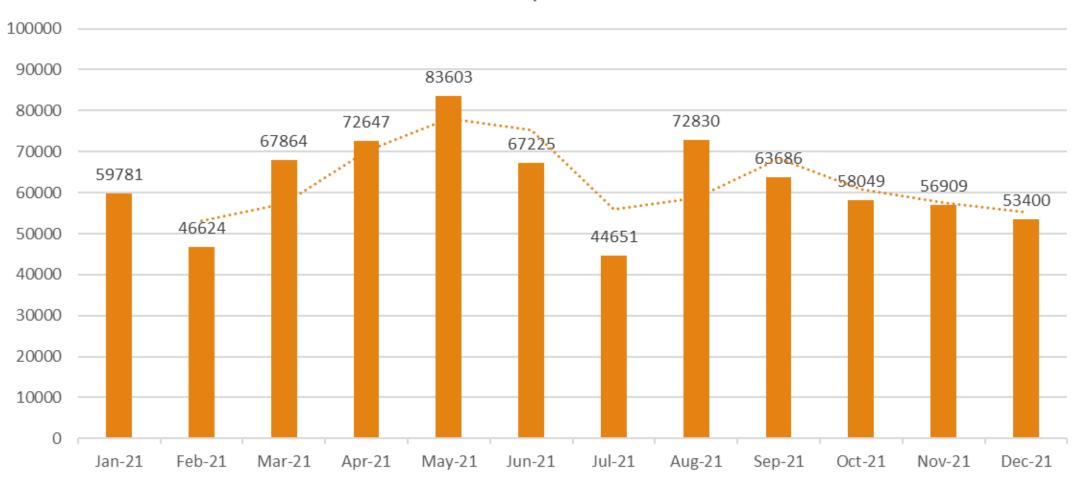
- GC Vessel
- Azerbaijan flag 130
- Foreign flag 340
- Vessel Calls Total 470

### Monthly Tonnage of Bulk Cargo

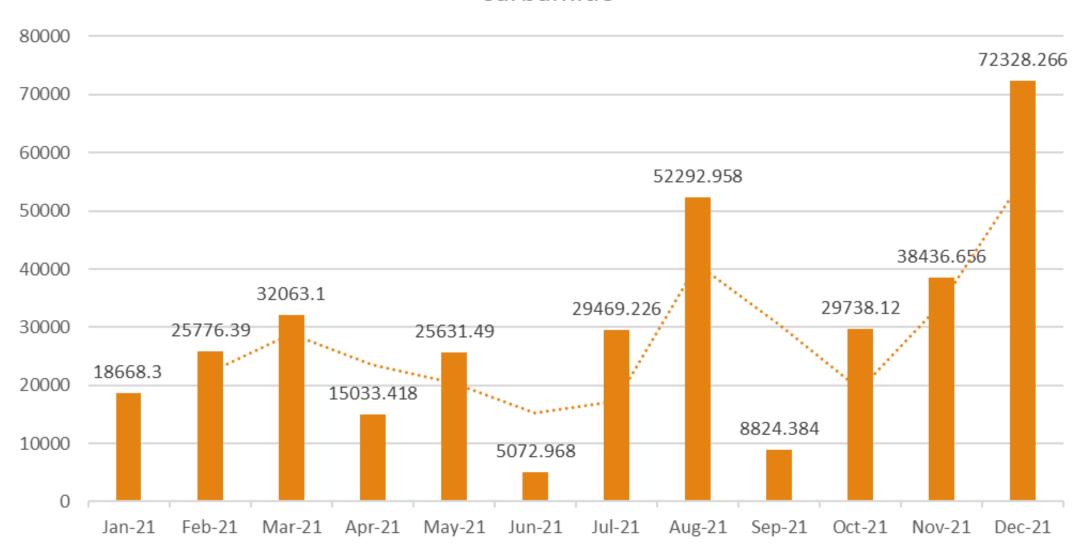
### Monthly Throughput



### Sulphur



#### Carbamide





# Linear container vessel (Baku-Aktau-Baku)

- Feeder container vessel between Port of Aktau and Port of Baku
- ➤ Vessel calls 64
- ➤ Total handled containers 9620 containers
- ➤ Average vessel productivity 19 containers per hour

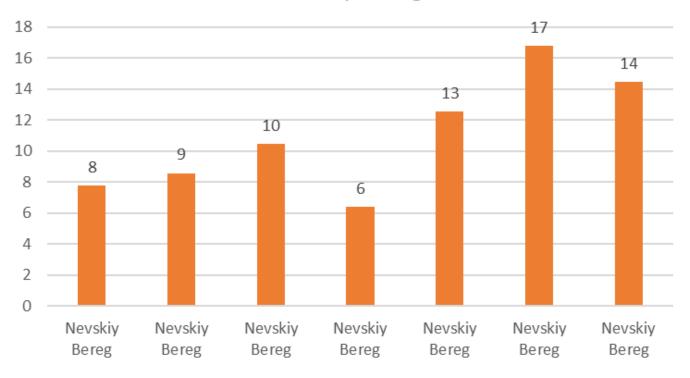
# Linear container vessel (Baku - Turkmanbashı - Baku)

- Feeder container vessel between Port of Turkmenbashi and Port of Baku
- ➤ Vessel calls—35
- > Total handled containers 2934 containers
- ➤ Average vessel productivity 17 containers per hour

## Linear REF Container Vessel (Baku -Turkmanbashi - Baku)

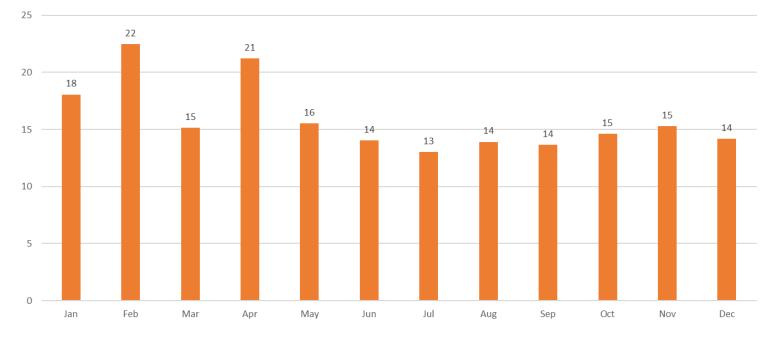
- ➤ Vessel calls— 7 vessel since 24.10.2021
- > Total handled containers-779
- ➤ Average vessel stay at the berth— 52.6 hours
- ➤ Average Net operation time— 10.9 hours
- ➤ Average vessel productivity 13 containers per hour

#### Nevskiy Bereg



# Container Productivity 2021

#### **Container Productivity**



Annually
Container
Throughput
at Port

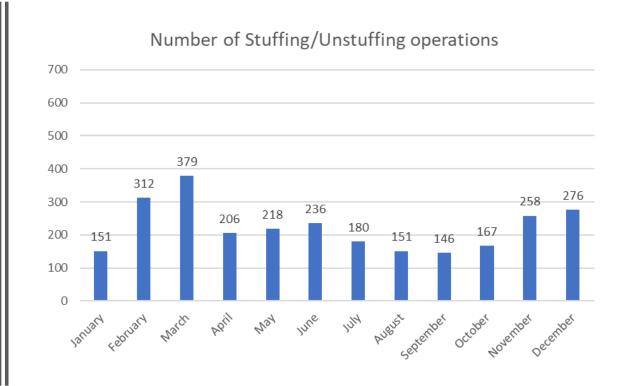
	Unlo	aded	Loa	ded	<b>Grand Total</b>
Month(2021)	GC	Ferry	GC	Ferry	GC&Ferry
January	1,726	310	848	92	2,976
February	1,815	92	796	357	3,059
March	1,696	220	840	470	3,225
April	2,064	484	1,105	326	3,978
May	2,223	398	815	558	3,993
June	1,767	459	1,147	520	3,892
July	1,829	497	1,025	259	3,610
August	2,011	156	717	318	3,201
September	1,055	458	782	544	2,839
October	1,962	488	1,156	660	4,266
November	2,878	608	1,204	460	5,150
December	2,363	470	1,611	392	4,836
<b>Grand Total</b>	23,386	4,640	12,043	4,956	45,025

Annually Container Turnover by Moves

	Ves	sel	Wag	on	Tru	ıck	
Month (2021)	TEU Unloaded from vessel (monthly total)	TEU Loaded to vessel (monthly total)	TEU Unloaded (monthly total)	TEU Loaded (monthly total)	TEU Unloaded (monthly total)	TEU Loaded (monthly total)	Total
January	1716	741	375	1181	273	225	4511
February	1811	794	597	1652	270	152	5276
March	1732	840	647	1635	360	220	5434
April	2021	1104	787	1911	281	209	6313
May	2224	816	882	1821	443	253	6439
June	1686	1148	616	1218	209	243	5120
July	1872	1019	930	1829	109	110	5869
August	2010	730	571	1841	167	113	5432
September	1055	782	707	1506	190	141	4381
October	1966	1160	899	1739	422	268	6454
November	2902	1204	727	1648	577	685	7743
December	2540	1444	909	1715	647	545	7800
Total	23535	11782	8647	19696	3948	3164	70772

# Stuffing/Unstuffing

	Tons	Number of
Month	ffing	Stuffing/Unstu ffing
	operations	operations
January	2992.8	151
February	6587.7	312
March	7817.1	379
April	4017.76	206
May	3913.14	218
June	3931.216	236
July	3051.4	180
August	2888.876	151
September	2502.665	146
October	2957.543	167
November	4468.603	258
December	4067.8	276
Total	49196.603	2680





# Main cargo handled in 2021

Container – 35317 TEU

Carbamide - 353335 t

Sulphur - 747271 t

Pipe – 21290 t

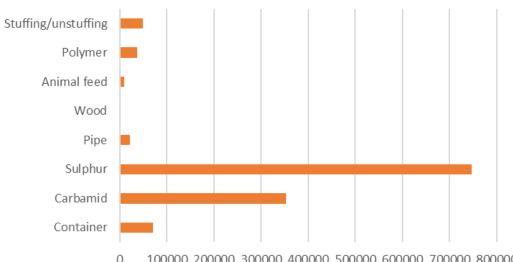
Wood – 2270 t

Animal feed- 9329 t

Polymer – 37057 t

Stuffing/Unstuffing – 49196 t

#### Main cargo handled in 2021



#### **Berth Utilization**

Berth	Jan	Feb	Mar	Apr	May	June	July	Aug	Sent	Oct	Nov	Dec
9	67.20%	66.67%	70.03%	61.53%	56.99%	54.76%	58.60%	67.34%	42.50%	39.11%	60.97%	67.74%
10	47.45%	64.88%	75.81%	49.03%	68.28%	53.93%	61.29%	88.84%	69.72%	73.12%	68.19%	88.17%
11	54.03%	62.80%	73.92%	84.72%	86.49%	93.81%	69.62%	90.59%	70.14%	73.66%	73.89%	87.10%
12	54.17%	47.17%	34.81%	56.39%	70.03%	32.40%	36.96%	85.48%	74.86%	92.20%	77.08%	91.67%
13	37.50%	31.99%	17.07%	17.22%	58.74%	50.27%	16.13%	47.04%	26.94%	46.10%	43.19%	52.15%

### Vessel Number Occupying the Berth

Berth	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sent	Oct	Nov	Dec
9	19	18	16	16	15	13	14	14	10	11	15	12
10	8	10	9	8	11	9	9	11	6	10	11	11
11	8	14	13	12	12	12	11	10	8	9	11	9
12	6	10	7	7	9	3	8	10	7	9	10	12
13	3	2	3	2	8	4	2	6	2	6	6	4

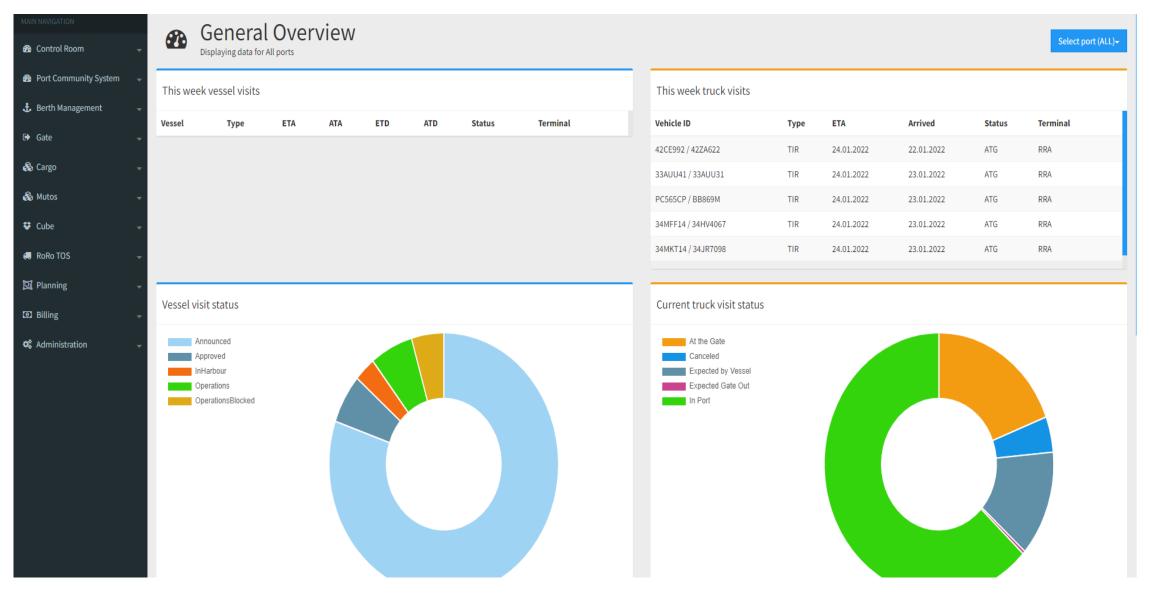
### Average Vessel Stay Time at Berth

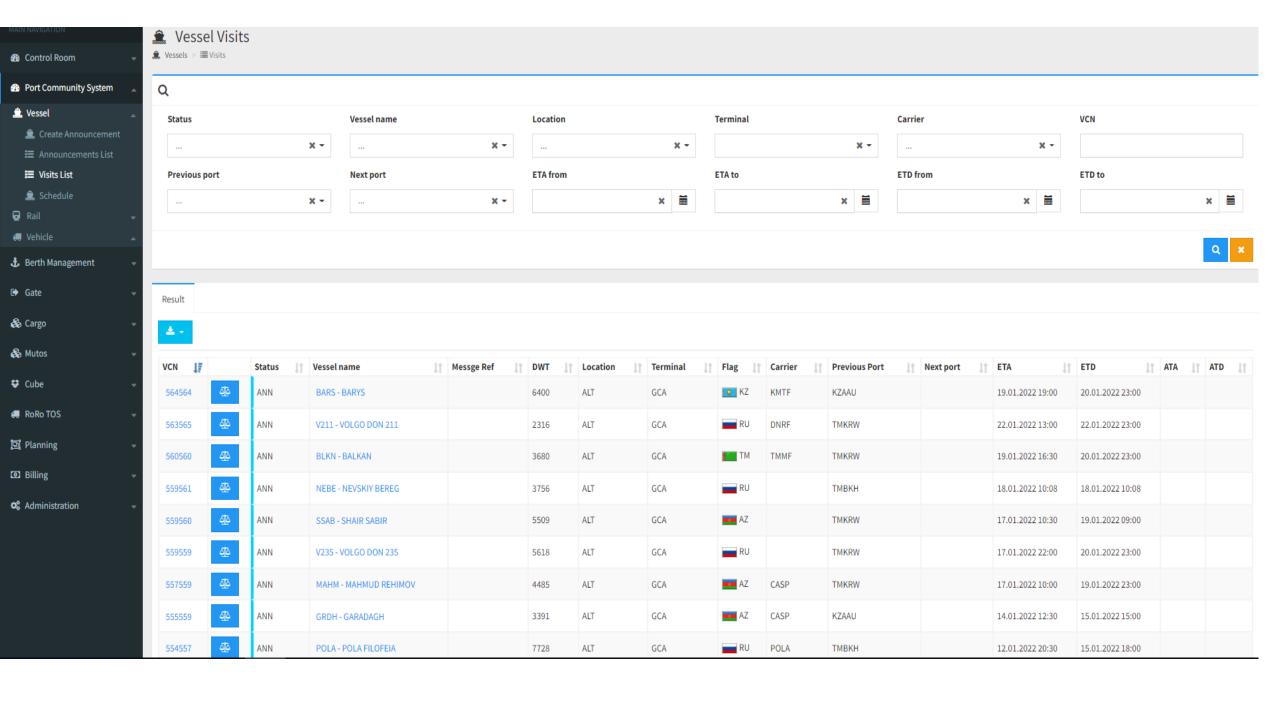
Berth	Jan	Feb	Mar	Apr	May	June	July	Aug	Sent	Oct	Nov	Dec
9	26	25	33	28	28	30	31	36	31	26	29	42
10	44	44	63	44	46	43	51	60	84	54	45	60
11	50	30	42	51	54	56	47	67	63	61	48	72
12	67	32	37	58	58	78	34	64	77	76	56	57
13	93	108	42	62	55	90	60	58	97	57	52	97

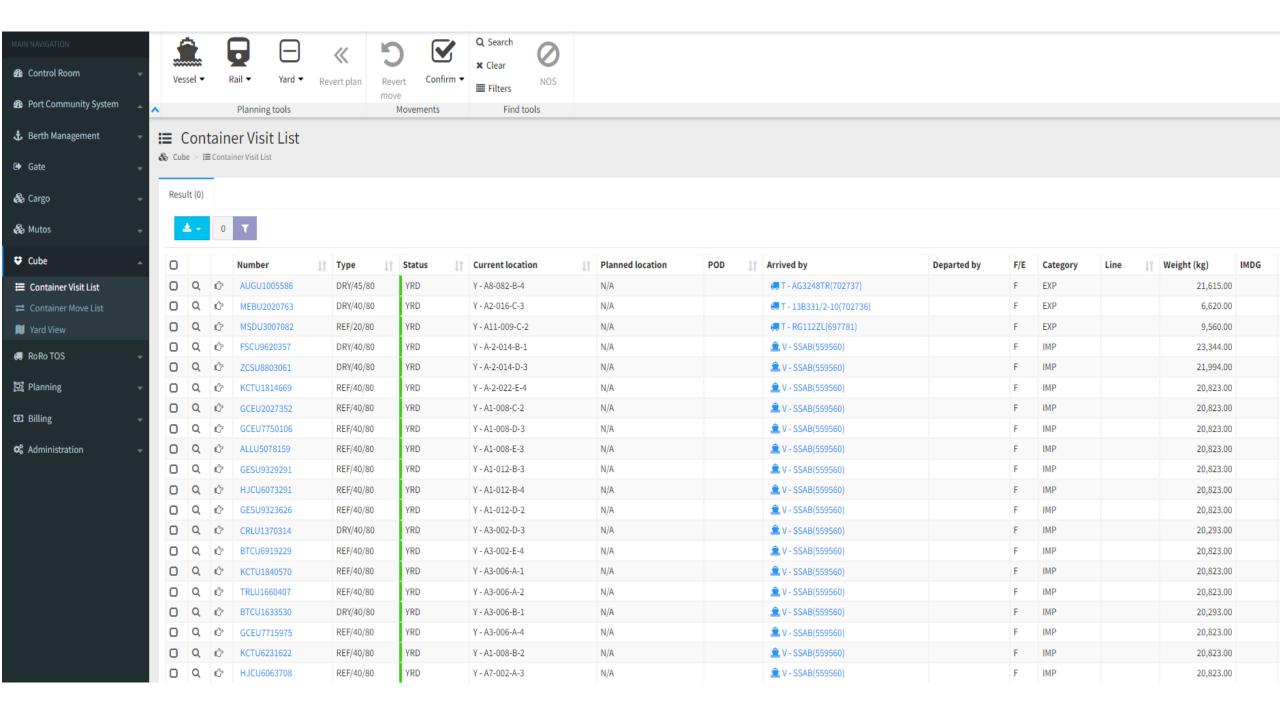
# Crane Utilization

	Yan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
PK Nº 1	28%	25%	64%	26%	29%	23%	20%	29%	15%	20%	36%	22%
PK Nº 2	31%	33%	57%	26%	30%	26%	26%	55%	12%	30%	31%	22%
PK Nº 3	29%	31%	81%	33%	30%	24%	24%	54%	21%	28%	22%	19%
PK Nº 4	23%	36%	82%	38%	32%	37%	28%	36%	27%	33%	32%	31%
PK № 5	33%	26%	47%	46%	35%	25%	29%	40%	30%	23%	29%	32%
PK Nº 6	30%	8%	34%	34%	34%	12%	16%	33%	19%	21%	25%	34%
PK Nº 7	0%	13%	31%	7%	18%	28%	11%	4%	1%	18%	14%	24%
PK Nº 8	1%	0%	0%	0%	1%	1%	0%	0%	0%	9%	1%	0%

# Port Management and Information System







# General Cargo Operations Tracing

	About Vessel Timing											-		Δ	bout Freigh	nt						Produ	ictivity					
	About Vesser						iiig								Dout Freign							riodo	Cuvity				$\rightarrow$	
Freight	Vessel	АТВ	ATU		Total Non ops time		Net ops time for bulk cargo	Net ops time for container s	Net ops time for others	Number of wagons loaded (bulk)	Number of wagons per hour (bulk)	Total weight for discharge d bulk cargo (doc)	for	Total ton for loaded bulk cargo	Discharge d container	Loaded container	Discharge d general cargo (Ton)		Discharge d general cargo (Number)		Number of cranes used in operatio n	Net ops prod (bulk)	gross prod (bulk)	Net crane rate (containe r)	Waiting for pre- ops commis sioning	Pre-ops commis sioning	Waiting for post- ops commis sioning	Post- ops commis sioning
▼		<b>↓</b> ↑	~	_	▼	<b>*</b>	¥	<b>v</b>	~	▼	~	¥	▼	•	₩.	~	~	_	~	~	₹	¥	¥	<b>v</b>	•	₩	~	~
Container	Teymur Ehmedov	10/4/2021 5:30	10/5/2021 0:30	19.00	15.6	3.4		3.4							50									15		1		1
Carbamide	Mikayıl Müşviq	10/4/2021 10:35	10/8/2021 15:15	100.67	82.7	18	18.0			62		3763.924	3731.848								2	209	37			1		0.75
Sulphur	Maestro Niyazi	10/7/2021 19:00	10/11/2021 6:00	83.0	61.5	21.55	21.6			74		4622.263	4452.935								2	214	56			1		1.33
Sulphur, pallet	Genrikh Gasanov	10/8/2021 21:10	10/15/2021 3:00	149.8	56.5	93.3	14.0		79.3	40		2440.794	2375.556				1726.384		1700		1	174	16			1		0.5
Container, equipment	Silver Star	10/9/2021 2:00	10/10/2021 10:50	32.8	23.2	9.6		9.6							98	25	35.38			1				13		1		0.5
Sulphur	Kalevala	10/9/2021 13:10	10/13/2021 0:20	83.2	72.2	11	11			56		3466.953	3389.108								2	315	42			1		1
Container	Turkestan	10/9/2021 18:40	10/12/2021 6:00	59.3	49.3	10		10							81	41								12		1		1
Carbamide	Teymur Ehmedov	10/11/2021 10:35	10/13/2021 3:00	40.4	19.4	21	21			51		3118.996	3102.946								1	149	77			1		0.5
Sulphur, general cargo	Magtymguly	10/12/2021 8:30	10/14/2021 13:20	52.8	24.9	27.9	14		13.9	47		2985.539	2937.068					76.108		376	2	213	57			1.5		1
Container	Barys	10/12/2021 10:05	10/13/2021 16:20	30.2	12.2	18		18							188	133					1			18		1.42		1.33
Carbamide	Mikayıl Müşviq	10/13/2021 6:10	10/15/2021 19:45	61.6	41.0	20.6	20.6			61		3756.384	3727.465								1	182	61			0.83		1.25
Sulphur	Delfin 1	10/14/2021 17:40	10/16/2021 0:10	_	18.5	12	12			33		2066.075									1	172	68			4.83	2.4	0.25
Sulphur	Amur 2528	10/15/2021 5:30	10/17/2021 19:30	62.0	46.7	15.3	15.3			46		2846.329									1	186	46			1.5		2
Carbamide	Cəfər Cabbarlı	10/15/2021 23:00			15.3	28.8	28.8			63		3833.552									1	133	87		1	0.67		0.42
Sulphur	Valery Kokov		10/22/2021 18:40		136.7	23.5	23.5			85		5220.892	5008.897								2	222	33			1.5		1
Container	Silver Star		10/17/2021 9:50		8.2	10.75		10.75							81	15					1			9	0.2	1		1
Carbamide, container	Turkestan	10/17/2021 22:10			60.1	24.9	20.9	4		83		5028.24				50					2	241	59	13		0.5	2.1	2.4
Sulphur	Vizantin	10/18/2021 2:00			95.3	15	15			49		3116.387	3106.423								2	208	28			1		1.5
Container	Barys	10/18/2021 22:00			13.5	10.8		10.8							181	89					2			25		1		1
Sulphur	Atameken	-	10/26/2021 18:45	+	102.4	23	23		ļ	85		5310.096								ļ	2	231	42			1		1
Carbamide	Mikayıl Müşviq	10/22/2021 13:00			16.7	17	17			61			3786.178								2	222	112			1		0.25
Sulphur	Ahmet Kadirov	10/22/2021 15:45			147.5	18.5	18.5			84		5128.77									2	277	31			1		1
Sulphur	Maestro Niyazi	10/24/2021 8:20			92.2	20.1	20.1			73		4633.729	4489.97								2	231	41			1.67		1
Carbamide, container	Nevskiy Bereg	10/24/2021 13:30			116.5	20.2	12.5	7.7		53		3287.614				60					2	263	24	8		1		1
Sulphur, container	Silver Star	10/25/2021 0:30			121.7	15	11.5	3.5		43		2770.579	2706.331		17	28					2	241	20	13	1.75	1		1
Container	Barys	10/27/2021 18:30			18.4	14.4		14.4							159	84					1			17		1		1
Container	Turkestan	10/29/2021 6:20			20.7	12.1		12.1							121	52					1			14		1	1	1
Sulphur	Magtymguly	10/29/2021 12:50			14.0	14	14			46		3006.339									2	215	107			0.5		0.33
Sulphur	Vizantin	10/30/2021 9:00			73.3	9	9			50		3161.956					-				2	351	38			1		1.5
Sulphur	Jug 1	10/31/2021 14:45			59.1	10.1	10.1			33		2153.543									2	213	31		0.25	0.5		1
Carbamide	Mikayıl Müşviq	11/2/2021 4:30	11/3/2021 18:00		17.5	20	20			62		3761.198					-				1	188	100			1		1.25
Sulphur	Pola Sofia	11/2/2021 6:50	11/5/2021 21:20	86.5	58.7	27.8	27.8	44.5	_	96		6225.888	6103.755		455			445.55				224	72			1.2		1
Container, General cargo	Barys	11/3/2021 10:45	11/4/2021 12:15	25.5	11.7	13.8		11.8	2						189	40		142.32		7	1			19		1.25		1.58