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The **“Voyage Estimation”** program offers the ability of creation and maintenance of a voyage calculation.

It allows up to 8 ports for Ballasting/Loading/Discharging with the ability of intermediate ports (Via Port) in every pair of ports.

Voyage Estimation program - NET Edition - Server MSSQL

File Edit Tools Setup Window Help

Vessel: CLIPPER DWT: 14173 Summer Grain (CBM): 19845
 Laycan: Speed: 12,20 knots Bale (CBM): 18261
 Commission: 5,00 % to: Calculation created at: 26/5/2008

Fuel / Constants	Time required in Days	Expenses	Results
Constants: 50	Steaming days: 2,4	Running cost: 10,4 5100 53040	Freight/ton: 50
Fresh water: 40	Loading days: 5,0	Fuel oil: 2,4 550 3300	Lumpsum: 750000
I.F.O.: 100	Discharging days: 3,0	G.O./D.O.: 10,4 700 110600	Net freight: 712500
G.O./D.O.: 50	Straights: 0,0	Lubricants at sea: 2,4 2,0 450 2160	Total Profit: 358400
Lubricants: 30	Total days: 10,4	Loading port D/A: 40000	TC rate/day: 39562
Others: 0	Clear Steaming, Loading, Discharging days	Discharging port D/A: 50000	Profit/month: 1033846
Total: 270		Liner cost for load: 0	
DWCC: 13903		Liner cost for discharge: 0	
		Taxes/Dues/Warfares: 35000	
		Tally: 0	
		Extra insurance: 60000	
		Canal dues: 0	
		TOTAL: 354100	

Buttons: New calculation, Save, Calculations, Undo, Calculate

Port	Miles	Cargo	SF	L/D rate
B ODESSA [SU]				
L ISTANBUL [TR]	342	15000	BLK 45 CFT	4000 SHEX
D PIRAEUS [GR]	348	15000		5000 SHINC

Via: 690 Total cargo: 15000 Max load.cargo: 15000 tons
 Cargo description: Volume required: 674982 Capacity: 701237 CFT

The program for every Loading port, monitors information like:

- Cargo description
- Cargo tons
- Grain or Bale (BLK/BGD)
- Stowage Factor (SF)
- Volume in Cubic feet or Cubic meters
- Loading rate/Discharging rate
- SHEX/SHINC/SSHEX/FHEX/Liner In/Liner Out
- Loading port D/As, Liner cost for load
- Loading/Discharging days in manual mode (if desired)

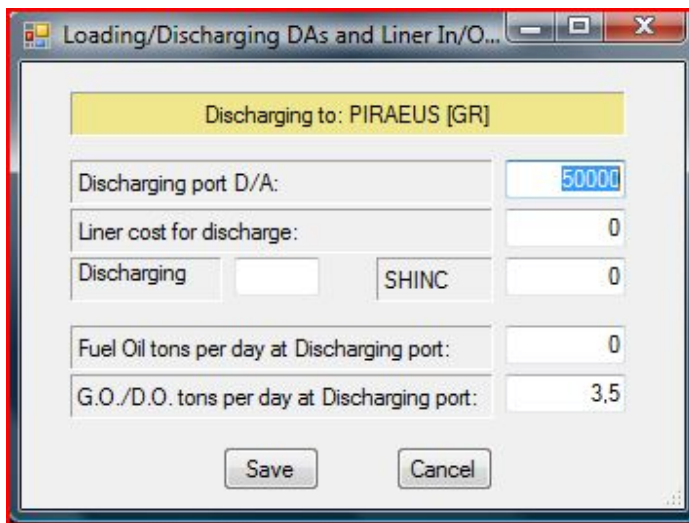
The screenshot shows a software dialog box with the following fields and values:

Loading from: ISTANBUL [TR]	
Loading port D/A:	40000
Liner cost for load:	0
Loading days:	SHEX
Fuel Oil tons per day at Loading port:	0
G.O./D.O. tons per day at Loading port:	3,5

Buttons: Save, Cancel

The program for every Discharging port, monitors information like:

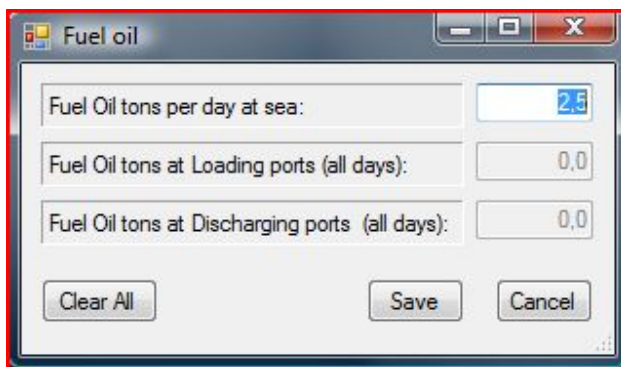
- Cargo description
- Cargo tons
- Discharging rate
- SHEX/SHINC/SSHEX/FHEX/Liner Out
- Discharging port D/As, Liner cost for discharge
- Discharging days in manual mode (if desired)



Dialog box titled "Loading/Discharging DAs and Liner In/O...". The main content area has a yellow header that reads "Discharging to: PIRAEUS [GR]". Below this, there are several input fields and buttons:

Discharging port D/A:	50000	
Liner cost for discharge:	0	
Discharging	SHINC	0
Fuel Oil tons per day at Discharging port:	0	
G.O./D.O. tons per day at Discharging port:	3,5	

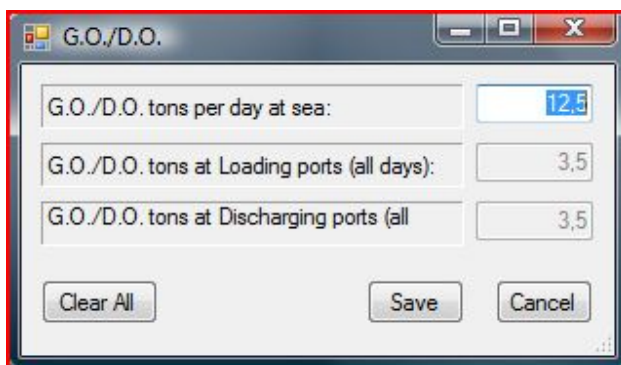
At the bottom of the dialog box are two buttons: "Save" and "Cancel".



Dialog box titled "Fuel oil". It contains three input fields and three buttons:

Fuel Oil tons per day at sea:	2,5
Fuel Oil tons at Loading ports (all days):	0,0
Fuel Oil tons at Discharging ports (all days):	0,0

At the bottom of the dialog box are three buttons: "Clear All", "Save", and "Cancel".



Dialog box titled "G.O./D.O.". It contains three input fields and three buttons:

G.O./D.O. tons per day at sea:	12,5
G.O./D.O. tons at Loading ports (all days):	3,5
G.O./D.O. tons at Discharging ports (all	3,5

At the bottom of the dialog box are three buttons: "Clear All", "Save", and "Cancel".

The program monitors the loadings in tonnage and capacity (volume) notifying in case of overload.

For each vessel it keeps information that can be reused for next voyage estimation like for example:

- Fuel constants
- Fresh water
- Other
- IFO capacity
- IFO tons
- IFO cost per ton
- GODO capacity
- GODO tons
- GODO cost per ton
- Lubricants capacity
- Lubricants
- Lubricants cost per ton
- Running cost per day

In addition, in each vessel it makes use of:

- Summer DWT or Winter DWT or Tropical DWT
- Speed in knots
- Grain / Bale capacity

Calculates the days:

- Steaming days
- Loading days
- Discharging days

Provides the ability for Straits days and uses the total of days in the calculations.

Regarding the costs, it calculates:

- Running cost
- IFO cost
- GODO cost
- Lubricants cost
- Loading port D/A
- Discharging port D/A
- Liner cost for load
- Liner cost for discharge

It asks from the user the costs:

- Taxes/Dues/War fares
- Tally
- Extra insurance
- Canal dues

The calculations are provided in any of the mutual fields:

- Freight per ton
- Lump sum
- Net freight
- Total profit
- TC rate per day
- Profit per month

All the calculations are stored inside the database with the following characteristics:

- Vessel Name
- User Name
- Chartering Account
- Creation date of the estimation sheet
- Comments

The main Options of the program are:

➤ Existing calculations

Vessel	Date	User	Chartering Account	Notes
ACHILLES I	26/5/2008	sa		
CLIPPER	26/5/2008	sa		
TBN	7/5/2008	george		
test	29/4/2008	george		
CLIPPER	14/4/2008	george		
AFAMIA	9/4/2008	george		
CLIPPER	3/4/2008	george	MANOLIS	
BALTIC HIGHWAY	1/4/2008	sa		
AFAMIA	30/3/2008	TECH	GNT	My first calculation
AFAMIA	30/3/2008	sa	GNT	My first calculation
ACHILLES I	23/3/2008			
AFAMIA	23/3/2008	GEORGE		
AFAMIA	23/3/2008	GEORGE	dsfger	ergergerg
ECLIPS	23/3/2008			
ACHILLES I	3/3/2008	GEORGE		
AFRODITI	29/2/2008	GEORGE	GNT	My first calculation

➤ Vessels

VesselName	IMO Number	Yard	HullNo	Build	MainEngineModel	Speed	Summer DWT	Winter DWT	Tropical DWT	Grain capacity	Bale capacity
ACHILLES I	7301374			1973		14,50	15058	0	0	20141	19000
AFAMIA	7710642			1979		14,00	15844			22190	20470
BALTIC HIGHWAY	9243461			2001		20,00	17828			0	0
CLIPPER						12,20	14173	0	0	19845	18261
ECLIPS	9126924			1997		18,50	12123	2	3	21344	19645
TBN						13,00	34000			34270	33000
test						13,00	21000				

➤ Quick edit of Vessel info

Dialog box titled "Edit Vessel fields".

Vessel: CLIPPER

	Vessel fields	Current Calculation fields
Speed:	12,20	12,20
Summer DWT:	14173	<Used>
Winter DWT:	0	
Tropical DWT:	0	
Grain (CBM):	19845	19845
Bale (CBM):	18261	18261

Buttons: Save, Cancel

➤ Quick edit of the current Calculation

Dialog box titled "Calculation information".

Vessel: CLIPPER

Date: 26/05/2008

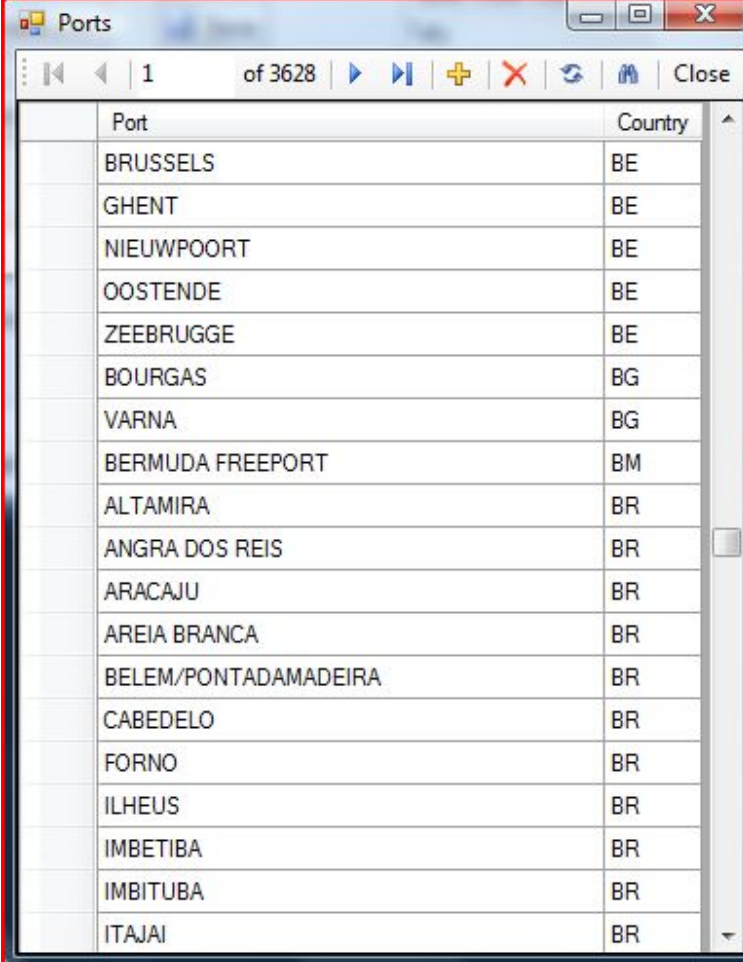
User: sa

Chart. account:

Notes:

Buttons: Save, Cancel

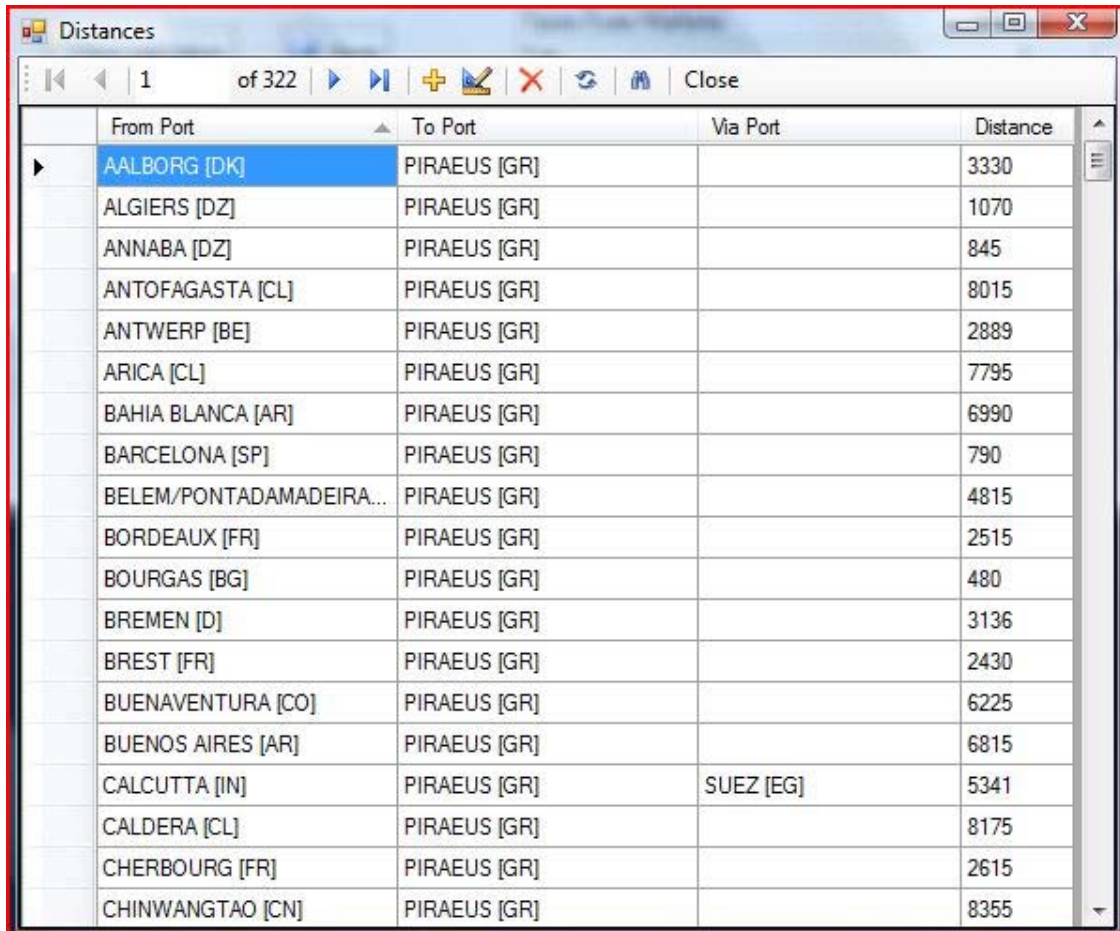
➤ Ports



The image shows a window titled "Ports" with a table of port names and their corresponding countries. The window has a standard Windows-style title bar and a toolbar with navigation and action icons. The table has two columns: "Port" and "Country".

Port	Country
BRUSSELS	BE
GHENT	BE
NIEUWPOORT	BE
OOSTENDE	BE
ZEEBRUGGE	BE
BOURGAS	BG
VARNA	BG
BERMUDA FREEPORT	BM
ALTAMIRA	BR
ANGRA DOS REIS	BR
ARACAJU	BR
AREIA BRANCA	BR
BELEM/PONTADAMADEIRA	BR
CABEDELLO	BR
FORNO	BR
ILHEUS	BR
IMBETIBA	BR
IMBITUBA	BR
ITAJAI	BR

➤ Distances



	From Port	To Port	Via Port	Distance
▶	AALBORG [DK]	PIRAEUS [GR]		3330
	ALGIERS [DZ]	PIRAEUS [GR]		1070
	ANNABA [DZ]	PIRAEUS [GR]		845
	ANTOFAGASTA [CL]	PIRAEUS [GR]		8015
	ANTWERP [BE]	PIRAEUS [GR]		2889
	ARICA [CL]	PIRAEUS [GR]		7795
	BAHIA BLANCA [AR]	PIRAEUS [GR]		6990
	BARCELONA [SP]	PIRAEUS [GR]		790
	BELEM/PONTADAMADEIRA...	PIRAEUS [GR]		4815
	BORDEAUX [FR]	PIRAEUS [GR]		2515
	BOURGAS [BG]	PIRAEUS [GR]		480
	BREMEN [D]	PIRAEUS [GR]		3136
	BREST [FR]	PIRAEUS [GR]		2430
	BUENAVENTURA [CO]	PIRAEUS [GR]		6225
	BUENOS AIRES [AR]	PIRAEUS [GR]		6815
	CALCUTTA [IN]	PIRAEUS [GR]	SUEZ [EG]	5341
	CALDERA [CL]	PIRAEUS [GR]		8175
	CHERBOURG [FR]	PIRAEUS [GR]		2615
	CHINWANGTAO [CN]	PIRAEUS [GR]		8355

The program provides 3800 Ports and 67000 Distances that are easily accessible from the Voyage Estimation form window as well as the Addition/Editing of a Port/Distance.

The program requires MS SQL Server 2000/2005/2008 or MySQL Server 5.