



Decision With Insight

Voyage Planner is an advanced chartering application or voyage estimator, designed to analyze the commercial viability of a proposed voyage. The application covers the wide spectrum of commercial and operational functionality that a modern shipping company needs to calculate and forecast profit or loss for a voyage. It calculates all expenses and income involved during a voyage, and can also simulate the best-case freight rate, check the spot bunker price and trends, include weather forecasts, and simulates expected FO/DO prices.

VOYAGE PLANNER

- ➔ Profit/loss analysis, heavy weather calculation, Monte Carlo simulation and bunker price calculation
- ➔ Rich Geographic Information System (GIS) based distance features. Provision to save and calculate edited routes and distances in the map-viewer. 11,000 plus ports.
- ➔ Map-viewer with current vessel location, port information and pirated areas listed
- ➔ Invoicing & Lay time calculations
- ➔ Contract of Affreightment
- ➔ Export/import to/from Microsoft Excel – voyages, comparisons, more.

How beneficial is it?

- ➔ Find the optimal voyage: The application uses advanced algorithms to find the optimal voyage. It gives a competitive advantage in terms of analyzing and fixing cargo. The voyage comparison module creates the optimal cost-benefit analysis, facilitating comparisons between several simulations of different voyages
- ➔ Secure data sync: All branches share the updates through secure data communication among users for every transaction. This ensures better stability during times of low Internet connectivity and gives all users a 360-degree view of proposed voyages
- ➔ Make quick and well-founded decisions: map viewer and vessel tracker functions help you make quick and sound decisions as information on vessel location and planned voyages is available to users without the need to gather information manually
- ➔ Holistic system: Voyage Planner is integrated with Voyage Manager and Vessel Tracker
- ➔ Easy approval process
- ➔ User friendly: export/import to/from MS Excel, PDF; restoring deleted data, easy sync. with all users, invoicing and operational financial data recording, outlook integration, auto email alerts for user activities, access privileges/restrictions, contract of Affreightment, lay time and many more.

- ➔ Break-even calculations i.e. freight rate, quantity, charter hire
- ➔ Client-server architecture with central database and easy client database sync.
- ➔ Easy Management Information System (MIS) and integration with third party software and post fixture.

THE SOLUTION YOU NEED

- ➔ Vessel Planner: You can calculate your voyage estimation with inputting Vessel spec, Cargo and Port rotation.
- ➔ Port Distance: Calculating more than 60 million ports distances among over 11000 ports. Cana transit prompt, Piracy and shortest distance calculations and more
- ➔ View Map: Checking ports positions and vessel routes on the world map.
- ➔ Berth Term Charge: If you can input Berth Term Rate, you can get Berth Term Charge. Your Berth Term Rate will be saved to use again.
- ➔ Analysis: You can analyze and print Freight, Hire Base, Charter Base and Quantity.
- ➔ Vessel List: You can manage your own vessel list. You can load a vessel to estimate. You can send vessel particular to your clients by email with one click.
- ➔ Invoicing
- ➔ Contract of Affreightment
- ➔ Lay Time Calculation

Vessel Particular
 Vessel: ALPHA HAMMOUY
 DWT: 74,492
 Speed: Full
 Type: Tanker
 F.O. Type: FO (Sea Ballast Laden)
 F.O. Part (B/Lk Work): 32.00
 DO Type: DO-Sea
 DO Part (B/Lk): 1.00

Cargo
 Loadable Quantity: 74,492.00
 Minimum Shipment Size: 1.00

Port Rotation
 Arrival at first port: 03/Feb/12 17:45:26
 Start Finish: 03/Feb/12 00:00 - 06/Apr/12 00:00

Expenses
 Total Revenue: 1,684,000.00
 Total Hire: 15,000.00
 Total Banker Expense: 0.00
 Profit/Loss: 49,701.60

Voyage Planner

Find Port Distance
 Port Name or Coordinates: RABENTIA (DEM) (GMT = 1.0)
 Via: Shortest Route
 Distance: 7,108.00
 Speed: 14.0
 Arrival: 20/Dec/10 11:31

Port Name or Coordinates	Via	Distance	Weather	Speed	Sea	Port Charge	Arrival	Departure
RABENTIA (DEM) (GMT = 1.0)	Shortest Route	0	0	13.00	0.00	0.222	55,555.00	20/Dec/10 11:31
ALBANY (DEM) (GMT = 5.5)	Shortest Route	7,108.00	0	14.00	21.15	0	55,555.00	18/Jan/11 20:27

Map Viewer

Profit/Loss Analysis
 The chart displays profit/loss percentages for various parameters. Key values include:
 - Freight: 1.50% (Profit/Loss: 210,600.00)
 - Hire: 15.00% (Profit/Loss: 15,000.00)
 - Total Revenue: 1,684,000.00
 - Total Profit/Loss: 49,701.60

Invoice Report - Voyage 1
 Invoice No.: 03/Apr/12 - 5
 Date: 3-Apr-12
 Bill To: XXX
 Vessel Name: Contender

SL No.	Cargo Description	Amount
1	RZ Qty = 6,549.00 Freight = \$ 13.30 = \$ 87,101.70 From Port: Burns Tapol: Hobart	USD 430,094.60

Freight Analysis

Freight	Quantity	Total Revenue	Hire/Day	Total Hire	CBase	Op Expense	Profit/Loss
1.50	140,400.00	210,600.00	15,000.00	936,000.00	3,275.44	6,212.70	-731,612.70
3.00	140,400.00	421,200.00	15,000.00	936,000.00	6,550.88	12,425.40	-527,225.40
4.50	140,400.00	631,800.00	15,000.00	936,000.00	9,826.31	18,638.10	-322,838.10
6.00	140,400.00	842,400.00	15,000.00	936,000.00	13,101.75	24,850.80	-118,450.80
7.50	140,400.00	1,053,000.00	15,000.00	936,000.00	16,377.19	31,063.50	-85,836.50
9.00	140,400.00	1,263,600.00	15,000.00	936,000.00	19,652.63	37,276.20	-290,223.60
10.50	140,400.00	1,474,200.00	15,000.00	936,000.00	22,928.06	43,488.90	-494,711.10
12.00	140,400.00	1,684,800.00	15,000.00	936,000.00	26,203.50	49,701.60	-699,098.40
13.50	140,400.00	1,895,400.00	15,000.00	936,000.00	29,478.94	55,914.30	-903,485.70
15.00	140,400.00	2,106,000.00	15,000.00	936,000.00	32,754.38	62,127.00	-1,107,873.00
16.50	140,400.00	2,316,600.00	15,000.00	936,000.00	36,029.81	68,339.70	-1,312,260.30
18.00	140,400.00	2,527,200.00	15,000.00	936,000.00	39,305.25	74,552.40	-1,516,647.60
19.50	140,400.00	2,737,800.00	15,000.00	936,000.00	42,580.69	80,765.10	-1,721,034.90
21.00	140,400.00	2,948,400.00	15,000.00	936,000.00	45,856.13	86,977.80	-1,925,422.20
22.50	140,400.00	3,159,000.00	15,000.00	936,000.00	49,131.56	93,190.50	-2,129,809.50