



## VesselsValue.com Launching new Port Distance Calculator

VesselsValue.com will be introducing the new Port Distance Calculator as part of its AIS mapping service VV@.



By using the Port Distance Calculator subscribers will be able to track the amount of time, nautical miles or required speed it will take to get from one location to another. With over 2,500 ports to choose from, type in the departure location and destination, leaving either the ETA or Speed blank.

The Port Distance Calculator will either tell you the estimated number of days to arrival, or will provide the speed required to arrive at the specified time.

ETA's are computed and displayed at each waypoint and multiple route selections are offered depending on the draft, owner's preference and other geographical and geo-political restrictions.

A range of routing options along with the defaults are listed on the next page.

### Routing ✕

Departure Time:  16

| From                                      | To  | Speed (KTS)                        | Route                                    | Turn-around | Distance (NM) | ETD (Z)        | ETA (Z)  |
|---|---|------------------------------------|--|-------------|---------------|----------------|--|
| <input type="text" value="Rotterdam,NL"/> | <input type="text" value="Newcastle,AU"/> | <input type="text" value="12.00"/> | <span style="color: red;">options</span> |             | 12,555'       | 9 Jan 15 09:40 | 21 Feb 15 23:5 <span style="float: right; font-size: small;">16</span> |

**Route Options**

|   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Anti-Piracy               | <input checked="" type="checkbox"/> ASL Compliance            | <input checked="" type="checkbox"/> ENV / NAV / REG Routing |
| <input type="checkbox"/> Cape Cod Canal - North               | <input type="checkbox"/> Cape Cod Canal - South               |   |
| <input type="checkbox"/> Chesapeake and Delaware Canal - East | <input type="checkbox"/> Chesapeake and Delaware Canal - West |   |
| <input type="checkbox"/> Corinth Canal                        | <input type="checkbox"/> Kiel Canal                           | <input checked="" type="checkbox"/> Panama Canal            |
| <input checked="" type="checkbox"/> Suez Canal                | <input type="checkbox"/> Bahama Channel                       | <input type="checkbox"/> Bonifacio Strait                   |
| <input checked="" type="checkbox"/> Dover Strait              | <input checked="" type="checkbox"/> Hainan Island             | <input checked="" type="checkbox"/> Lombok Strait           |
| <input type="checkbox"/> Magellan Strait                      | <input type="checkbox"/> Messina Strait                       | <input checked="" type="checkbox"/> Singapore Strait        |
| <input checked="" type="checkbox"/> Sunda Strait              | <input checked="" type="checkbox"/> Cape Horn                 | <input checked="" type="checkbox"/> Cape of Good Hope       |
| <input type="checkbox"/> Chelyuskina                          | <input checked="" type="checkbox"/> North Cape                | <input type="checkbox"/> North Cape - Inshore               |
| <input type="checkbox"/> Norway - Indreleia Routing           | <input type="checkbox"/> Norway - Inshore routing             | <input checked="" type="checkbox"/> Thursday Island         |
| <input type="checkbox"/> West of Taiwan                       |   |   |

**Advanced Options**

|   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> The Sound (Helsingor) - N Bound         | <input checked="" type="checkbox"/> The Sound (Helsingor) - S Bound         | <input checked="" type="checkbox"/> Little Belt  |
| <input checked="" type="checkbox"/> Skaw                                    | <input type="checkbox"/> West of Gotland                                    | <input type="checkbox"/> West of Laeso - N Bound   |
| <input type="checkbox"/> West of Laeso - S Bound                            | <input type="checkbox"/> Terschellinger Bank - NE Bound                     | <input type="checkbox"/> Terschellinger Bank - SW Bound  |
| <input type="checkbox"/> Steenbank  | <input type="checkbox"/> Maas Junction South Bound                          | <input type="checkbox"/> Maas Junction North Bound   |
| <input checked="" type="checkbox"/> Korsor (Great Belt) - N Bound           | <input checked="" type="checkbox"/> Korsor (Great Belt) - S Bound           |  |
| <input type="checkbox"/> Selat Gelesha                                      | <input type="checkbox"/> Buru Passage                                       | <input type="checkbox"/> Gorong <span style="float: right;"><input type="checkbox"/> Bangka Passage</span>   |
| <input checked="" type="checkbox"/> Singapore West(The Brothers) - SE bound | <input checked="" type="checkbox"/> Singapore West(The Brothers) - NW bound | <input checked="" type="checkbox"/> Singapore East(Horsborough) - E bound <span style="float: right;"><input checked="" type="checkbox"/> Singapore East(Horsborough) - W bound</span> |

Add a leg...

|               |               |           |
|---------------|---------------|-----------|
| <b>Totals</b> | 12,555'<br>NM | 43.6 days |
|---------------|---------------|-----------|

Clear Calculate

VV Port Distance Calculator will come free with all VV@ subscriptions.

The following pages contain two examples of how to use VV Port Distance Calculator.

## Example 1

A laden VLCC from Ras Tanurah to Rotterdam is restricted by her draft to pass through the Suez Canal. The routing options allow us to avoid the Suez Canal by un-ticking the routing options with a total distance of 11,255'.

**Routing**

Departure Time: 2015-01-12 09:28

| From         | To           | Speed (KTS) | Route   | Turn-around | Distance (NM) | ETD (Z)         | ETA (Z)         |
|--------------|--------------|-------------|---------|-------------|---------------|-----------------|-----------------|
| Ras Tanura,S | Rotterdam,NL | 12.00       | options |             | 11,255'       | 12 Jan 15 09:28 | 20 Feb 15 11:20 |

**Route Options**

- Anti-Piracy
- Cape Cod Canal - North
- Chesapeake and Delaware Canal - East
- Corinth Canal
- Suez Canal
- Dover Strait
- Magellan Strait
- Sunda Strait
- Chelyuskina
- Norway - Indreleia Routing
- West of Taiwan
- ASL Compliance
- Cape Cod Canal - South
- Chesapeake and Delaware Canal - West
- Kiel Canal
- Bahama Channel
- Hainan Island
- Messina Strait
- Cape Horn
- North Cape
- Norway - Inshore routing
- ENV / NAV / REG Routing
- Panama Canal
- Bonifacio Strait
- Lombok Strait
- Singapore Strait
- Cape of Good Hope
- North Cape - Inshore
- Thursday Island

Advanced Options

The return (ballast) voyage would allow for a safe passage through the Suez Canal which is displayed below with a total distance of 6,569' saving the owner 4,686'.

**Routing**

Departure Time: 2015-01-12 09:28

| From         | To           | Speed (KTS) | Route   | Turn-around | Distance (NM) | ETD (Z)         | ETA (Z)        |
|--------------|--------------|-------------|---------|-------------|---------------|-----------------|----------------|
| Rotterdam,NL | Ras Tanura,S | 12.50       | options |             | 6,569'        | 12 Jan 15 09:28 | 3 Feb 15 07:00 |

**Route Options**

- Anti-Piracy
- Cape Cod Canal - North
- Chesapeake and Delaware Canal - East
- Corinth Canal
- Suez Canal
- Dover Strait
- Magellan Strait
- Sunda Strait
- Chelyuskina
- Norway - Indreleia Routing
- West of Taiwan
- ASL Compliance
- Cape Cod Canal - South
- Chesapeake and Delaware Canal - West
- Kiel Canal
- Bahama Channel
- Hainan Island
- Messina Strait
- Cape Horn
- North Cape
- Norway - Inshore routing
- ENV / NAV / REG Routing
- Panama Canal
- Bonifacio Strait
- Lombok Strait
- Singapore Strait
- Cape of Good Hope
- North Cape - Inshore
- Thursday Island

Advanced Options

## Example 2

A Capesize vessel departs Tubarao (Brazil) for Qingdao (China) on the 12<sup>th</sup> January, 2015 with an expected laden speed of 12 knts. The distance to Qingdao is roughly 11,371' with an ETA (in UTC) of 20<sup>th</sup> February, 21:00 (UTC).

Adding an additional leg to port Hedland with an assumed ballast speed of 13 knts. and an estimated turnaround time of 4 days would add 3,612' to the voyage and the overall eta after allowing for speed and turnaround time would be around 8<sup>th</sup> March, 10:00 (UTC). The two legs would take about 14,983' or 55 days.

| From          | To             | Speed (KTS) | Route   | Turn-around | Distance (NM) | ETD (Z)         | ETA (Z)         |
|---------------|----------------|-------------|---------|-------------|---------------|-----------------|-----------------|
| Tubarao,BRA   | Qingdao,CHN    | 12.00       | options |             | 11,371'       | 12 Jan 15 09:28 | 20 Feb 15 21:00 |
| Qingdao,CHN   | Port Hedland,, | 13.00       | options | 4d 0h 0m    | 3,612'        | 24 Feb 15 21:05 | 8 Mar 15 10:57  |
| <b>Totals</b> |                |             |         |             | 14,983' NM    | 55 days         |                 |

Additional legs may be added with ease along with various routing options.

Mid sea ETA's can be displayed by clicking on the track on the map.

| From          | To           | Speed (KTS) | Route   | Turn-around | Distance (NM) | ETD (Z)         | ETA (Z)        |
|---------------|--------------|-------------|---------|-------------|---------------|-----------------|----------------|
| Amsterdam,N   | Newcastle AU | 12          | options |             | 12,582        | 25 Nov 14 17:08 | 8 Jan 15 09:36 |
| <b>Totals</b> |              |             |         |             | 12,582 NM     | 43.7 days       |                |

Since speed is a user input, one can vary the eta and the routing tool will calculate the required speed.

e.g. in our previous example of a Capesize vessel departing Tubarao (Brazil) for Qingdao (China) on the 12<sup>th</sup> January, 2015 with an expected laden speed of 12 knts the ETA (in UTC)

is 20<sup>th</sup> February, 21:00 (UTC). Say the owner wishes to arrive on the 24<sup>th</sup> February, 12:00 UTC to avoid congestion.

The new ETA is fed into the model and the required speed is computed as follows (11 knots)

The screenshot shows a 'Routing' window with a map background. At the top, 'Departure Time' is set to '2015-01-12 09:28'. Below this is a table with the following data:

| From          | To           | Speed (KTS) | Route   | Turn-around | Distance (NM) | ETD (Z)         | ETA (Z)         |
|---------------|--------------|-------------|---------|-------------|---------------|-----------------|-----------------|
| Tubarao, BRA  | Qingdao, CHN | 11.00       | options |             | 11,371'       | 12 Jan 15 09:28 | 24 Feb 15 12:00 |
| <b>Totals</b> |              |             |         |             | 11,371' NM    | 43.1 days       |                 |

At the bottom right of the window are 'Clear' and 'Calculate' buttons.

Smart Routing is possible: opt to travel safely through specific routes by selecting 'anti piracy' or turn off Singapore Strait and take the vessel through Sunda straits. Additionally, options for deep-water routing (via. The Cape of good hope etc.) are easy to execute.

Please get in touch at [info@vesselsvalue.com](mailto:info@vesselsvalue.com) or through +44 (0)20 8995 4364 for a personal demonstration to see how the service works.