



Matching traded cargo to the right vessel takes flexibility, meticulous planning and highly specialized knowledge. **Louis Dreyfus Company (LDC)** invests in world-class logistics and tracking technology, and continually upgrades its port facilities and chartered fleet around the world, to deliver the most efficient Freight services to our customers and partners.

A brief history of maritime trade:

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| <p>1450 - 1815</p> <p>Global trade blossoms after voyages of discovery reach the New World</p> | <p>1815 - 1950</p> <p>Empires make use of new steam engines and steel hulls to further their business model across the globe</p> | <p>1950 - today</p> <p>With the rise of bulk shipping, companies turn to oil - and diesel-fueled machinery and welded steel hulls, enabling a new, low-cost model</p> | <p>tomorrow</p> <p>A greener and more responsible shipping notably through emission reduction</p> |
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| <p>Maritime trade accounts for</p> <p>90%</p> <p>of global trade</p> | <p>11 BILLION TONS of goods traded annually around the world</p> <p>50% dry bulk, of which 15% is agri-products</p> | <p>Today, the world's main shipyards are in</p> <p>China Japan S.Korea Philippines</p> |
| <p>It takes approximately 12 MONTHS to build a cargo ship</p> | <p>Common life span of a cargo vessel is 20-30 YEARS</p> | <p>Right now, there are as many as 60,000 VESSELS ON THE JOB</p> |

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| <p>Dry bulk carriers can carry grains, oilseeds, sugar, rice and minerals</p> | <p>Wet tankers are for vegetable oils, ethanol and biodiesel</p> | <p>Liners carry containers packed with coffee and cotton</p> | <p>Refrigerated ships transport orange juice</p> |
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The QUANTITY A VESSEL CAN CARRY SAFELY is measured in DWT – which stands for “deadweight tonnage”

There are many different types of bulk carriers, with different capacities:

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| <p>Capesize: 100,000 – 400,000 dwt (255-365m)</p> |
| <p>Panamax: 69,000 – 99,000 dwt (220-240m)</p> |
| <p>Supramax: 41,000 – 64,000 dwt (190-200m)</p> |
| <p>Handysize: 18,000 – 40,000 dwt (145-190m)</p> |
| <p>Coaster: 2,000 - 5,000 dwt (100 - 120m)</p> |
| <p>Equivalent to the height of the Eiffel tower (324m)</p> |

Ports and canals accommodate vessels based on DRAFT, LENGTH, WIDTH and DWT

A ship floats higher in COLD SEA SALT WATER than in WARM FRESH WATER

Soybean shipment time from Brazil to China:

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|---------------------------|
| Journey: 5 weeks |
| Vessel type: Panamax |
| Speed: 11 knots (20km/h) |
| Cargo intake: 70 000 tons |
| Crew: 20-25 people |

What you would have to spend to buy a new Panamax: **US\$ 25-30 million*** (as of 2018)



To learn more about our freight business, visit our website at www.LDC.com