



Content

- 🖧 Company profile
- 🖒 Activities
- A Experience counts
- 🖧 Bulk logistics
- A Project examples
- C Integrated management





Company Profile

Trilobes is an independent, innovative company

- Over 25 years experience in juice transport & storage solutions
- Port-ship-port solutions (terminal, ship cargo systems)
- Involved in over 75% of all juice port terminals in the world
- Specialist in modular ship cargo systems for juice (built over 100 units)
- Unique transport solutions for liquid foods
- Projects in close co-operation with clients
- Large network in juice industry
- Possibilities to combine cargo, logistical systems
- Projects Worldwide: America's, Europe, Asia and Australia
- Multinational clients like: LouisDreyfus, Cargill, Citrosuco, Votorantim/Citrovita
- Network of partners in the maritime industry





Activities

Logistical studies for bulk juices

- Supply chain, port-ship-port
- Inland, coastal and deep sea shipping

Turn key solutions for

- Port terminals
- Ship cargo systems

Maintenance & Service

- Ship cargo systems
- Refrigeration plants







Current Activities

Turnkey delivery of projects

- Storage, terminals and juice ships (cargo systems)
- Design, detail engineering, project management

Logistical & feasibility studies

- Flow logistical flow to concrete solutions
- Leading to a cost-effective infrastructure
- Large investments require good research

Developer of logistical infrastructure for beverages

- Total concept of transport and (port) storage
- Feasibility studies, technical & economical





\bigcirc Experience counts; Trilobes juice projects in the last years:

2010	Louis Dreyfus Commodities Ghent expansion of the NFC Terminal with several process lines, including
	engineering, installation and automation.
2009	Cargill Flavor Systems Amsterdam, Tank Farm adjustments
2009	Louis Dreyfus Commodities MV Ibis Arrow, engineering, design, construction and installation of cargo tanks for both NFC and FCOJ, at our construction site in São Sebastião, Brazil
2008	Votorantim/Citrovita MV Harefield, engineering, design, construction and installation of 6 cargo tanks for FCOJ, including tank and process engineering, purchasing, installation and developing our own automation system based on PCS7, followed by having the full cargo and cooling system in a long term maintenance agreement with Trilobes Maintenance
2008	Louis Dreyfus Commodities Brasil, Project Management for the installation of a new supply chain for NFC regarding vessel, storage Brasil and Ghent.
2008	Citrovita Antwerp, Juice terminal automation upgrade to PCS7 based on the additional module Route Manager
2008	Aleuropa MV Ouro do Brasil, engineering and installation of an additional NFC process system making it an aseptic Orange Juice carrier, during her stay at a yard Singapore
2007	Antwerp, reconstruction of ship cargo system, new cooling plant and updating automation
2007	Louis Dreyfus Commodities Brasil, Study Juice supply chain regarding vessels, storage and production capacity. This as a blue print for later executed projects
2006	Australia, expansion of Juice terminal with drum filling equipment
2006	Santos Brasil, re-installation of large sized cargo modules between two vessels
2006	China, study Apple Juice Concentrate supply chain
2005	Antwerp, expansion of Juice terminal with process equipment





Control Con





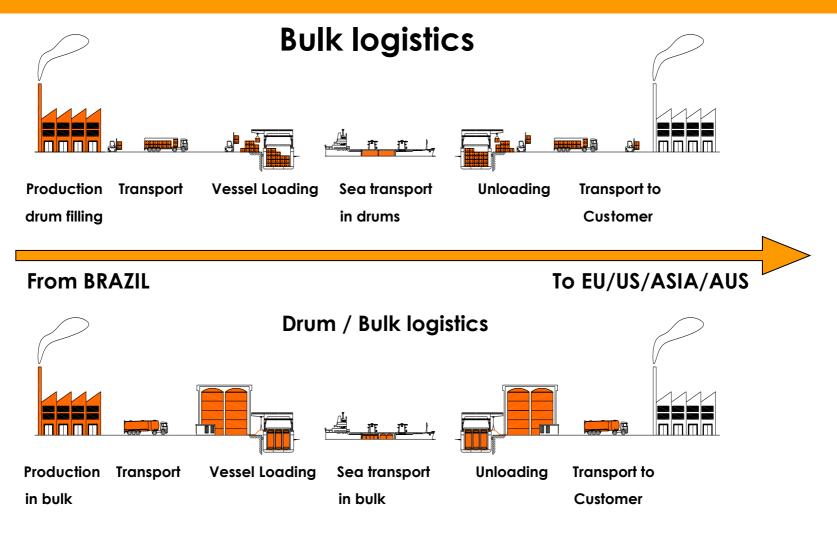
TRILOBES Of liquids

Ser 25 years our people have been involved in juice projects:

2005	Baltic Juice Terminal Latvia, design for a Juice terminal (no construction)
2005	Northern Navigation MV Southern Juice, expansion of capacity, design and installation of cargo tanks and system on this Orange Juice carrier
2004	Citrovita Australia, turn key construction of a modular bulk terminal for frozen concentrated Orange Juice
2003	Gearbulk MV Rhone, design and installation of modular large sized cargo tanks and process system
2002	Tropicana Belgium, design and construction of aseptic storage tanks for NFC
2002	Atlanship MV Orange Sky, design and installation of FCOJ and NFC tanks
2002	Aleuropa MV Carlos Fischer and MV Premium do Brasil, project management, design and construction of an aseptic Orange Juice carrier
2001	Citrosuco Santos Brasil, project management, design and construction of an aseptic NFC process and storage terminal
2001	Citrosuco Ghent, project management, design and construction of an aseptic NFC process and storage system
2000	Natural Citrus Monte Azul Brasil, processing and storage facility for Juices, a NFC production line for frozen blocks
2000	Kloosterboer Rotterdam, construction of a Juice terminal including storage tanks, blending system, drum/bin dumping and filling, process and
	automation system
2000	Atlanship MV Orange Wave, partly conversion of this Orange Juice carrier to a NFC tank and cargo system
2000	Cutrale EJT Rotterdam, conversion of several tanks to an aseptic process and storage system for NFC (fresh juice, Not From Concentrate)
1999	Aleuropa MV Sol do Brasil, FCOJ and AJC decktanks, including construction of stainless steel tanks, casing, insulation, process and cleaning system
1999	Louis Dreyfus Citrus Ghent, turn key project of LD Citrus Juice Terminal, including civil works, insulation, cooling, tanks, dumping and filling, process and automation system
1998	Haitai Pyongteak, Korea Juice Terminal design and construction of FCOJ storage tanks
1998	Tampa Juice MV Joint Frost Seatrade, design, project management and installation of a modular tank and cargo system
1998	Gearbulk MV Rhone, design and installation of a modular tank and cargo system including cooling, process and automation system
1998	Cargill Citrus Chiba Japan, turn key construction of a modular bulk terminal with cargo tanks, process and automation system
1997	Northern Navigation MV Southern Juice, engineering, design and installation of cargo tanks, process and automation system
1997	Citrovita-Cambuhy Citrus Antwerp, turn key construction of the Southern Juice Terminal, including civil works, insulation, cooling, tanks, process and automation system
1994	Vriesveem de Berg Landgraaf, construction of Apple Juice concentrate storage system
1993	Citrovita MV Harmac Dawn Bilobe system, design and installation of modular tanks and cargo system on board, including cooling, process and
	automation system
1993	Citrovita Antwerp, design, construction and management of a Juice Terminal with blending facilities, process and automation system
1991	Citrosuco/Cutrale Toyohashi Japan, Nippon Juice Terminal, design and project management for the turn key project of a FCOJ port terminal
1989	Döhler Darmstadt BRD, storage tanks, process and pigging system for fruit juice concentrates
1988	Wild Frucht Heidelberg BRD, storage tanks and system for fruit juice concentrates
1985	Cutrale EJT Rotterdam, process and storage system for FCOJ (Frozen Concentrated Orange Juice), blending, loading and discharging facilities









TRILOBES Solutions for liquids





Cargo Tanks construction and assembly



TRLOBES Solutions for liquids





Installation of juice Cargo Tanks on board



TRLOBES Solutions for liquids

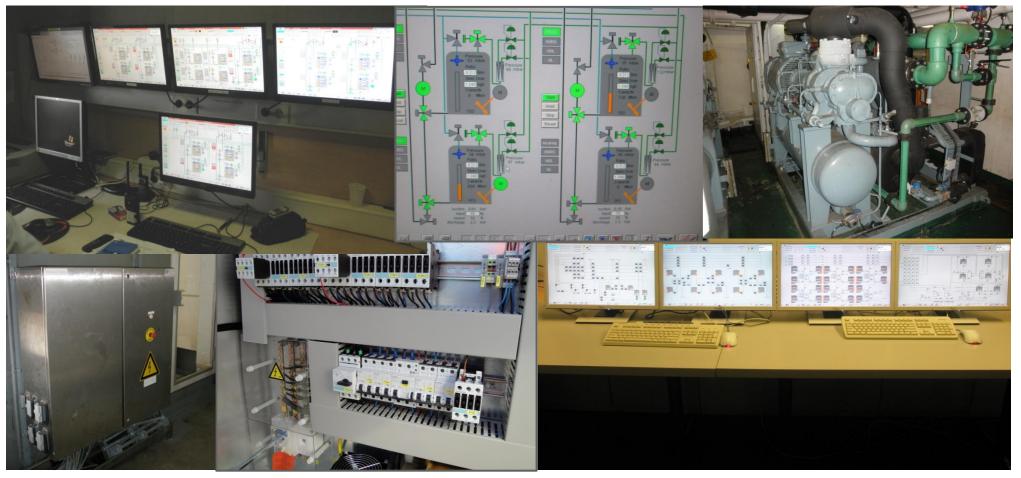


Process system for aseptic juices or concentrates



ည

TRICOBES Solutions for liquids







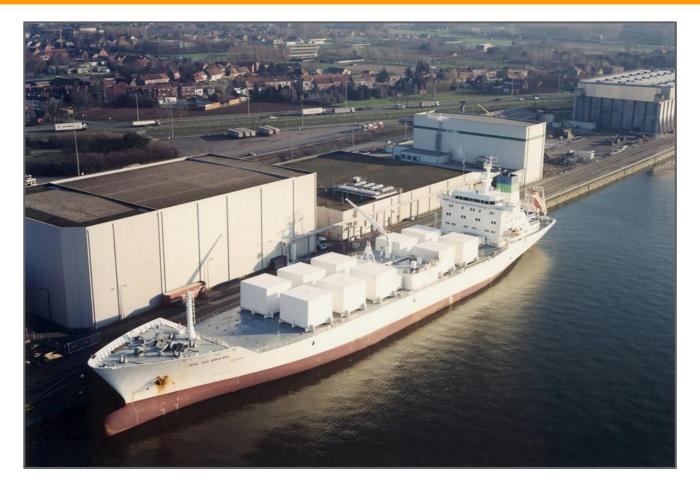
TRLOBES O



Modular Juice Terminal Japan



TRLOBES Of Logical solutions for liquids





Terminal and Juice Vessel with Deck Tanks



TRLOBES Solutions for liquids





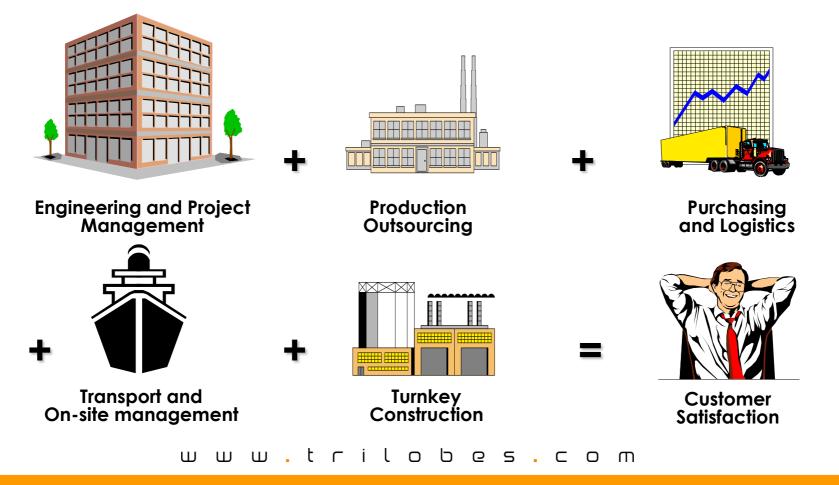
Juice Terminal and Juice Vessel Japan





Integrated Management

Design, Engineering, Project Management, Purchasing, Start up





ည



Contact

Trilobes BV Madame Curieweg 9 8501 XC Joure The Netherlands Phone +31 513 412717 Fax +31 513 419690 info@trilobes.com