

No quick fixes for supply chain frictions

New lockdowns in Asia, including that of another major Chinese port, mean more disruption to supply chains. Each new setback is proving harder to recover from in a congested system



Restrictions in Chinese ports are causing global supply disruptions. President Xi of China is pictured at Ningbo-Zhoushan port last year

During the summer, demand for traded goods has remained strong as the US and eurozone economies have seen activity increase. But a gap has opened up between global demand and the capacity of ocean freight to deliver. New lockdowns to combat the spread of the Delta variant of the virus are causing fresh problems for supply chains that are increasingly visible in low stock levels, rising lead times, and materials shortages.

Ocean freight capacity is struggling to meet demand

Global port throughput and new export orders



Source: RWI/ISL, World Trade Organisation, ING calculations

Lockdowns affecting key hubs of global supply

Local lockdowns are having global consequences by affecting hubs of global supply and ocean freight capacity. Factory closures in Vietnam in recent weeks have disrupted the supply chains of major clothing, footwear and electronics brands, as well as Japanese car manufacturers. And the closure of China's Ningbo-Zhoushan port in mid-August follows the lockdown at another major Chinese port, Yantian, in March, which saw the port operating below its full capacity for several weeks.

Each setback causes a fresh set of problems for supply chains, most obviously through the delay of key inputs, but also the displacement of containers, which in turn makes it even harder to catch up again. As a result of congestion in ports, less than half of ships globally have been arriving at their scheduled arrival times through 2021, and delays for late ships are consistently adding more than a week to delivery times.

Shipping capacity improves, but no quick fixes

Capacity on major shipping routes between Asia, Europe and the US has recovered to levels before the major lockdowns in 2020, but this capacity is being tightly managed by shipping companies in their alliances. Blank sailings (container ship journeys being scheduled, but then cancelled) have caused around 10% of scheduled capacity to be cut at short notice through the first half of 2021. On current plans, cancelled sailings will fall to around 4% in the second half of the year.

There are no quick fixes in sight

The cancellations are partly shipping companies' response to delays, and therefore likely to remain a source of uncertainty for exporters and importers during the pandemic recovery, and even as capacity is expanded through the building of new container ships. In the meantime, each new disruption to production and ocean freight capacity will continue to see supply chain problems build up quickly and then linger, with no quick fixes in sight.

Frictions won't be forgotten

Frictions are adding to other trade barriers which have arisen during the pandemic. Emergency measures to secure supplies of medical goods and food, as well as the subsidies to domestic industry from stimulus programmes, have made it more difficult to export to foreign markets - something that had already been becoming more difficult before the pandemic, partly thanks to the US-China trade war. And there is no appetite to bring trade barriers back down. Policy efforts in China, the EU and the US seem instead to be focusing on reshoring in key sectors, with a new push to develop domestic capabilities, especially in technology, and create a degree of independence in the supply of essential medicines and technology goods.

If policies, along with the frictions that have built up in supply chains, lower the relative costs of producing at home, this may tilt the balance for some supply chains to be brought home. Any changes are likely to be slow, as reshoring is difficult and costly. However, the ongoing disruptions to supply during the pandemic have brought the risks of using global supply chains into focus. The sudden and persistent rise in frictions during the pandemic won't be forgotten as firms decide whether to adjust supply chains.

Author

Alissa Lefebre

Economist

alissa.lefebvre@ing.com**Deepali Bhargava**

Regional Head of Research, Asia-Pacific

Deepali.Bhargava@ing.com**Ruben Dewitte**

Economist

+32495364780

ruben.dewitte@ing.com**Kinga Havasi**

Economic research trainee

kinga.havasi@ing.com**Marten van Garderen**

Consumer Economist, Netherlands

marten.van.garderen@ing.com**David Havrlant**

Chief Economist, Czech Republic

420 770 321 486

david.havrlant@ing.com**Sander Burgers**

Senior Economist, Dutch Housing

sander.burgers@ing.com

Lynn Song

Chief Economist, Greater China

lynn.song@asia.ing.com

Michiel Tukker

Senior European Rates Strategist

michiel.tukker@ing.com

Michal Rubaszek

Senior Economist, Poland

michal.rubaszek@ing.pl

This is a test author

Stefan Posea

Economist, Romania

tiberiu-stefan.posea@ing.com

Marine Leleux

Sector Strategist, Financials

marine.leleux2@ing.com

Jesse Norcross

Senior Sector Strategist, Real Estate

jesse.norcross@ing.com

Teise Stellema

Research Assistant, Energy Transition

teise.stellema@ing.com

Diederik Stadig

Sector Economist, TMT & Healthcare

diederik.stadig@ing.com

Diogo Gouveia

Sector Economist

diogo.duarte.vieira.de.gouveia@ing.com

Marine Leleux

Sector Strategist, Financials

marine.leleux2@ing.com

Ewa Manthey

Commodities Strategist

ewa.manthey@ing.com

ING Analysts

James Wilson

EM Sovereign Strategist

James.wilson@ing.com

Sophie Smith

Digital Editor

sophie.smith@ing.com

Frantisek Taborsky

EMEA FX & FI Strategist

frantisek.taborsky@ing.com

Adam Antoniak

Senior Economist, Poland

adam.antoniak@ing.pl

Min Joo Kang

Senior Economist, South Korea and Japan

min.joo.kang@asia.ing.com

Coco Zhang

ESG Research

coco.zhang@ing.com

Jan Frederik Slijkerman

Senior Sector Strategist, TMT

jan.frederik.slijkerman@ing.com

Katinka Jongkind

Senior Economist, Services and Leisure

Katinka.Jongkind@ing.com

Marina Le Blanc

Sector Strategist, Financials

Marina.Le.Blanc@ing.com

Samuel Abettan

Junior Economist

samuel.abettan@ing.com

Franziska Biehl

Economist, Germany

Franziska.Marie.Biehl@ing.de

Rebecca Byrne

Senior Editor and Supervisory Analyst

rebecca.byrne@ing.com

Mirjam Bani

Sector Economist, Commercial Real Estate & Public Sector (Netherlands)

mirjam.bani@ing.com

Timothy Rahill

Credit Strategist

timothy.rahill@ing.com

Leszek Kasek

Senior Economist, Poland

leszek.kasek@ing.pl

Oleksiy Soroka, CFA

Senior High Yield Credit Strategist

oleksiy.soroka@ing.com

Antoine Bouvet

Head of European Rates Strategy

antoine.bouvet@ing.com

Jeroen van den Broek

Global Head of Sector Research

jeroen.van.den.broek@ing.com

Edse Dantuma

Senior Sector Economist, Industry and Healthcare

edse.dantuma@ing.com

Francesco Pesole

FX Strategist

francesco.pesole@ing.com

Rico Luman

Senior Sector Economist, Transport and Logistics

Rico.Luman@ing.com

Jurjen Witteveen

Sector Economist

jurjen.witteveen@ing.com

Dmitry Dolgin

Chief Economist, CIS

dmitry.dolgin@ing.de

Nicholas Mapa

Senior Economist, Philippines
nicholas.antonio.mapa@asia.ing.com

Egor Fedorov
Senior Credit Analyst
egor.fedorov@ing.com

Sebastian Franke
Consumer Economist
sebastian.franke@ing.de

Gerben Hieminga
Senior Sector Economist, Energy
gerben.hieminga@ing.com

Nadège Tillier
Head of Corporates Sector Strategy
nadege.tillier@ing.com

Charlotte de Montpellier
Senior Economist, France and Switzerland
charlotte.de.montpellier@ing.com

Laura Straeter
Behavioural Scientist
+31(0)611172684
laura.Straeter@ing.com

Valentin Tataru
Chief Economist, Romania
valentin.tataru@ing.com

James Smith
Developed Markets Economist, UK
james.smith@ing.com

Suvi Platerink Kosonen
Senior Sector Strategist, Financials
suvi.platerink-kosonen@ing.com

Thijs Geijer
Senior Sector Economist, Food & Agri
thijs.geijer@ing.com

Maurice van Sante
Senior Economist Construction & Team Lead Sectors
maurice.van.sante@ing.com

Marcel Klok

Senior Economist, Netherlands

marcel.klok@ing.com

Piotr Poplawski

Senior Economist, Poland

piotr.poplawski@ing.pl

Paolo Pizzoli

Senior Economist, Italy, Greece

paolo.pizzoli@ing.com

Marieke Blom

Chief Economist and Global Head of Research

marieke.blom@ing.com

Raoul Leering

Senior Macro Economist

raoul.leering@ing.com

Maarten Leen

Head of Global IFRS9 ME Scenarios

maarten.leen@ing.com

Maureen Schuller

Head of Financials Sector Strategy

Maureen.Schuller@ing.com

Warren Patterson

Head of Commodities Strategy

Warren.Patterson@asia.ing.com

Rafal Benecki

Chief Economist, Poland

rafal.benecki@ing.pl

Philippe Ledent

Senior Economist, Belgium, Luxembourg

philippe.ledent@ing.com

Peter Virovacz

Senior Economist, Hungary

peter.virovacz@ing.com

Inga Fechner

Senior Economist, Germany, Global Trade

inga.fechner@ing.de

Dimitry Fleming

Senior Data Analyst, Netherlands

Dimitry.Fleming@ing.com

Ciprian Dascalu

Chief Economist, Romania

+40 31 406 8990

ciprian.dascalu@ing.com

Muhammet Mercan

Chief Economist, Turkey

muhammet.mercan@ingbank.com.tr

Iris Pang

Chief Economist, Greater China

iris.pang@asia.ing.com

Sophie Freeman

Writer, Group Research

+44 20 7767 6209

Sophie.Freeman@uk.ing.com

Padhraic Garvey, CFA

Regional Head of Research, Americas

padhraic.garvey@ing.com

James Knightley

Chief International Economist, US

james.knightley@ing.com

Tim Condon

Asia Chief Economist

+65 6232-6020

Martin van Vliet

Senior Interest Rate Strategist

+31 20 563 8801

martin.van.vliet@ing.com

Karol Pogorzelski

Senior Economist, Poland

Karol.Pogorzelski@ing.pl

Carsten Brzeski

Global Head of Macro

carsten.brzeski@ing.de

Viraj Patel

Foreign Exchange Strategist
+44 20 7767 6405
viraj.patel@ing.com

Owen Thomas
Global Head of Editorial Content
+44 (0) 207 767 5331
owen.thomas@ing.com

Bert Colijn
Chief Economist, Netherlands
bert.colijn@ing.com

Peter Vanden Houte
Chief Economist, Belgium, Luxembourg, Eurozone
peter.vandenhoute@ing.com

Benjamin Schroeder
Senior Rates Strategist
benjamin.schroeder@ing.com

Chris Turner
Global Head of Markets and Regional Head of Research for UK & CEE
chris.turner@ing.com

Gustavo Rangel
Chief Economist, LATAM
+1 646 424 6464
gustavo.rangel@ing.com

Carlo Cocuzzo
Economist, Digital Finance
+44 20 7767 5306
carlo.cocuzzo@ing.com