

south asia's premier maritime business magazine

maritime gateway

MAY 2026

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TradeWinds Shipowners Forum at Posidonia takes stock of Shipping's Decarbonisation Journey

THE NEW CARGO FRONTIERS

Energy, EV Batteries, and Data Centres Reshape Logistics



 IMEC Progress Stalls Amid Middle East Conflict

 Aderco: Turning Efficiency Into Revenue

INTERVIEWS



Where Technical Meets Commercial

—Taylor Wamberg

Regional Advisory Lead for Singapore, Southeast Asia, and Australasia



EDITOR'S NOTE

India's Shipbuilding Push Needs to Match Ambition with Delivery

Shipbuilding has firmly established itself as one of the defining policy conversations in Indian maritime circles this year. Between the Maritime Development Fund, the revamped Shipbuilding Financial Assistance Policy, extended customs duty exemptions, and state-level frameworks such as Tamil Nadu's own shipbuilding policy, the intent from New Delhi and several state capitals is unmistakable: India wants a real, globally competitive shipbuilding industry, not just a defence-heavy one propped up by a handful of public sector yards.

The financial architecture backing this ambition is now substantial. Tens of thousands of crores have been committed across equity support, interest incentives, and cluster-level infrastructure, with an explicit goal of pushing India into the top five global shipbuilding nations by 2047. On paper, few industries have received this level of coordinated policy attention in recent memory. It also comes with an industry-wide responsibility of channeling the resources towards a direction that proves to be worth the backing.

The harder conversation, and the one industry bodies including the Shipyards Association of India, have been right to keep raising, is execution. Ambition is the easy part. Delivering ships on time, at a globally competitive cost, with the engineering depth and component supply chains that commercial shipowners actually demand, is a different order of challenge altogether. Indian yards continue to grapple with thin engineering resources, long negotiation and quotation cycles, working capital costs roughly double those of Korean yards, and a dependence on imported components that leaves order books exposed to global supply disruptions. Much of the sector still carries an institutional culture shaped by decades of naval and public sector work, which does not always translate smoothly into the responsiveness that private commercial



contracts require. The gap needs to be bridged via practical inputs on the field, and for that, there has to be a stronger sense of commitment under an umbrella that is able to encapsulate the bygone era and what is on our hands. To build a future, one cannot disregard the journey one had to take, but evolution is the way to go.

None of this diminishes the scale

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RNI NO: TELENG/2009/30633

VOLUME 15 | ISSUE 09



The New Cargo Frontiers

Energy, EV Batteries, and Data Centres Reshape Logistics

The world's cargo is changing, and so is the industry built to move it. Energy, EV batteries, and data centre infrastructure are emerging as the defining logistics challenges of this decade, creating generational opportunities for operators willing to specialise.

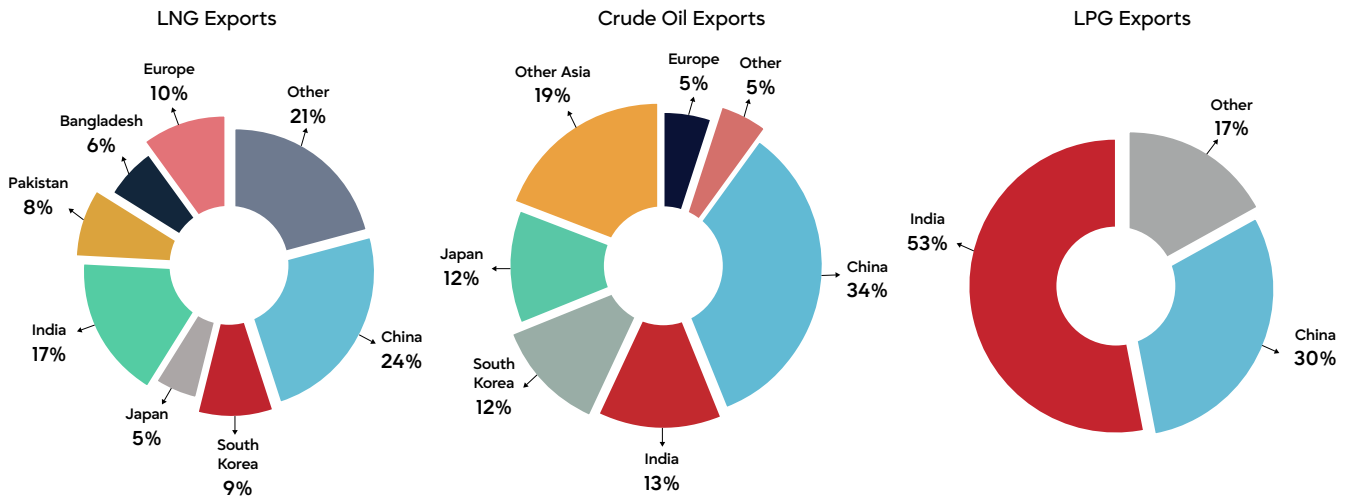
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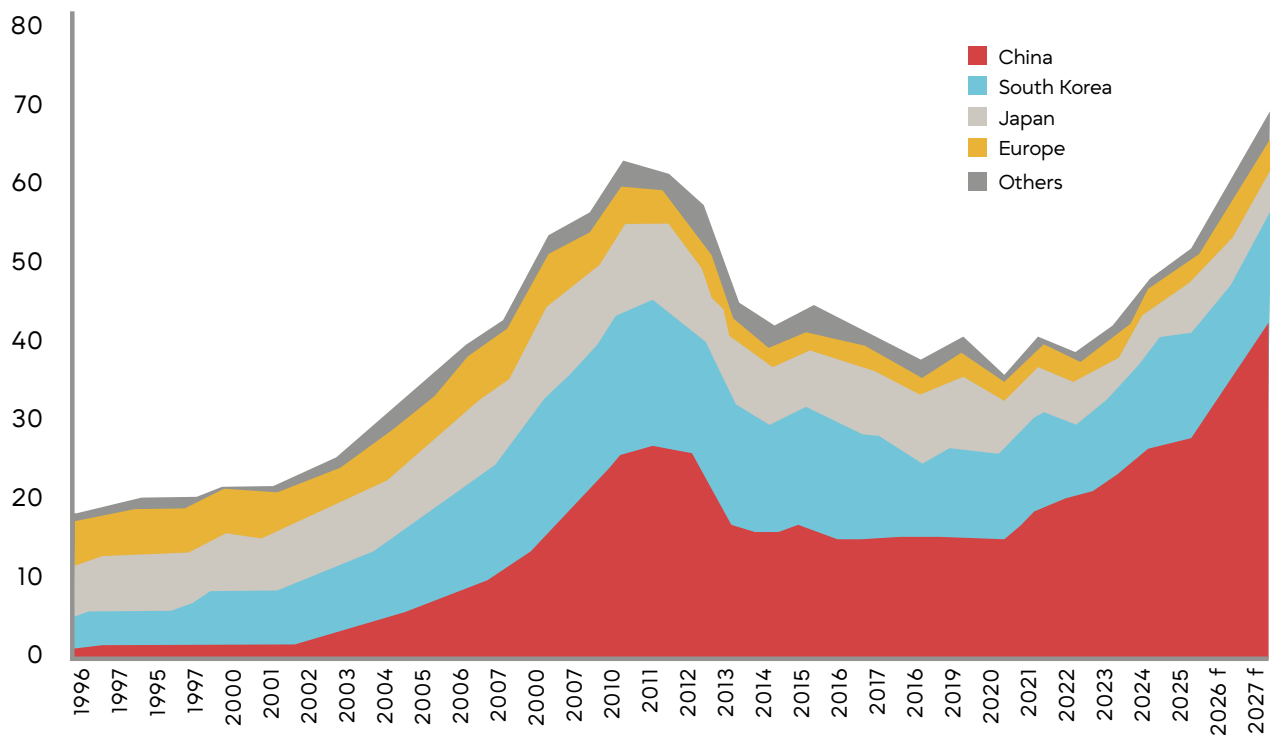


Source : Clarkson's Research

ORDERBOOK UNEVEN ACROSS SECTORS, LARGEST IN LARGE CONTAINERSHIPS AND GAS CARRIERS

SHIPYARD OUTPUT GROWING, LED BY STRONG EXPANSION IN CAPACITY IN CHINA

Deliveries By Builder Country. m. CGT





The electrification of transport is creating one of the most demanding logistics challenges of this decade. EV batteries are heavy, chemically sensitive, temperature-dependent, and subject to stringent safety regulations across borders. This complexity is itself a market.

Data Centre Logistics: The AI Effect

The artificial intelligence boom has super-charged demand for data centre infrastructure, and with it, a highly specialised logistics segment. The data centre logistics market is expected to reach USD 22.68 billion in 2025 and grow to USD 34.84 billion by 2030 at a CAGR of nearly 9 per cent.

In March 2026, DHL Group announced a major expansion of its North America data centre logistics infrastructure, adding 10 dedicated warehouse sites with over 7 million square feet of capacity to support the rapid deployment of hyperscale and colocation data centres. The Americas hold the largest market

share, while Europe is estimated to grow at the highest CAGR through 2030. Notable players include Iron Mountain, Schneider Electric, Digital Realty, and DHL, each competing to provide secure transport, staged delivery, and precision installation of high-value server and cooling infrastructure.

The Common Thread

All three segments demand more than conventional freight expertise. They require regulatory knowledge, specialised handling, real-time visibility, and deep coordination between infrastructure and supply chain teams. For logistics companies willing to invest in these capabilities, the opportunity is not incremental. It is generational.

EV BATTERIES AND THE NEXT GREAT CARGO BOOM

Building the logistics of electrification: as battery capacity races past 4 TWh, ports, carriers and freight networks — with India angling for a seat at both ends of the trade — are racing to build the specialised systems this new cargo demands.

Kalpana Pandey



Global battery manufacturing capacity crossed more than 4 TWh by the end of 2025, up roughly 30 per cent year-on-year, according to the International Energy Agency's Global EV is not confined to factories. Every gigawatt-hour of new cell capacity translates into raw minerals moving in, finished packs moving out, and an entirely new category of specialised freight in between — one that is reshaping

how ports, shipping lines and freight networks plan for the next decade. Bodies from Wood Mackenzie to the IEA now describe 2026 as a turning point: the year the EV and battery sector moves from subsidy-driven growth to organic, commercially self-sustaining scale.

A freight category built from scratch

Battery logistics looks nothing like traditional automotive freight. Matthias Braun, senior vice-president of logistics at Volkswagen's battery arm PowerCo, has described the challenge as connecting distributed suppliers across continents while managing both conventional

and hazardous materials in the same network. PowerCo's response — standardising cell designs, building

Key 2026 regulatory changes supporting safer battery shipping

Regulation	Key change	Effective
IMDG Code, Amendment 42-24	New UN numbers (3556, 3557) for battery-powered vehicles; tighter stacking and segregation rules for lithium cargo	Mandatory from 1 Jan 2026
SOLAS Ch. II-2/20 (MSC.550(108))	Mandatory smoke/heat detection and fire-alarm systems on vehicle carriers, with defined safe distances from vehicle lanes	New vessels from 1 Jan 2026; existing vessels by first survey after 1 Jan 2028
Fire Safety Systems Code (MSC.555(108))	Enhanced fire-suppression requirements for newly built vehicle carriers	Vessels built from 1 Jan 2026
IATA / ICAO / DOT rules (air and ground)	State-of-charge capped at 30% for most lithium-ion shipments; standardised UN38.3 test summaries required	In force from 1 Jan 2026

Ports themselves are becoming part of the electrification story rather than just conduits for it. Indian ports are steadily replacing diesel-powered gantry cranes, yard tractors and forklifts with battery-electric equipment, supported by falling battery costs and improving operating economics, according to a recent Indian Infrastructure analysis of green corridors at major ports. Onshore power supply for berthed vessels is moving from an optional feature to a standard expectation. Port operators are, in effect, becoming both handlers of battery cargo and adopters of battery technology in their own operations — a dual role that positions India’s maritime sector to benefit from electrification on more than one front.

The next frontier: reverse logistics

that trade is inherently global. “In shipping, it’s very difficult to avoid these countries because ships travel all over the world.” Even when operators complete all KYC clearances scrupulously, overnight political changes — additional sanctions, new tariff regimes — can leave a vessel suddenly holding problematic cargo. On financing, he cautioned against over-reliance on Chinese leasing given US tariff dynamics, adding: “I think shipping has to remain silent. It’s a very complex business.”

East vs. West: A Bipolar Shipping World?

The moderator posed a pointed question: is the world drifting toward a bipolar shipping order, split between East and West? The responses were nuanced but broadly optimistic. A major charterer described the whiplash of market sentiment: “Last year was a tremendously challenging period. We spent years building modern fleets, particularly Japanese-built ships. We felt very good. Suddenly the next day we didn’t want them — we wanted Chinese ships; suddenly they said we want Japanese ships.” His conclusion: flexibility and optionality are essential survival tools.

A Canadian industry leader offered a more bullish view. “China is business focused. The United States is business focused. At the end of the day, money talks.” He argued that both powers are ultimately capitalistic in orientation and that shipping would not be forced to choose sides permanently, though “regional and temporary conflicts of a year or three or four or five” remain a real risk.

Match the risk to the reward, diversify, and apply conservative financial management. A lot of businesses tend to misalign their risk-reward ratios, which leads to failure.

The Dark Fleet: Security and Regulatory Integrity

The panel addressed the dark fleet with notable gravity. One operator called it “a great threat to international shipping,” warning that tighter regulation in the compliant sector paradoxically pushes more tonnage outside it. He called for stronger enforcement and more consistent port state controls, noting that even ad hoc detentions add operational risk that will

NAVIGATING THE GREY ZONES

Legal Complexity, Casualty Pitfalls and the Future of Maritime Contracts

Will Pyle is a Director at Campbell Johnston Clark's Singapore office, where his practice is focused almost exclusively on maritime disputes. He represents ship owners, P&I clubs, charterers, and cargo interests across a wide spectrum of cases, including casualties, charter party disputes, and cargo claims. In this interview with Ramprasad Ravi, Editor in Chief, Maritime Gateway, Pyle speaks candidly about the legal risks that keep the shipping industry up at night.

Will, can you start by giving us a sense of the nature of your practice in Singapore and the kinds of disputes your team handles?

My practice in Singapore focuses on maritime disputes. We represent ship owners and their P&I clubs most frequently, but also charterers and sometimes cargo interests. Roughly half of my work involves casualty matters, fires, collisions, groundings, and other incidents at sea, while the other half covers contractual disputes, including charter party claims, cargo claims, and ship management-related issues. We also see some shipbuilding and offshore services disputes. In terms of sector exposure, container shipping features prominently, whether that is cargo damage claims, fire incidents on container vessels, or claims by terminals against vessels for damage to port infrastructure.

There is growing complexity around compliance in shipping, whether that is decarbonisation, geopolitical tensions, or sanctions exposure. What categories of legal risk do you see most sharply in this space?

From a lawyer's perspective, you always come back to the contractual framework. When owners are navigating new compliance territory, whether that is fuel specification changes driven by decarbonisation requirements or the geopolitical constraints affecting trading

areas, their primary concern has to be how risk

