India Cargo Terminal Expo

India's Definitive Event on, Airport, Sea Port Rail Dockyard, Inland Ports, Dry Ports & Container Terminal Logistics

03-05 October 2024

Yashobhoomi, IICC, Dwarka, Delhi, India

30+
Exclusive
Presentations

60+
Expert
Speakers

300+
Delegates

100+
Exhibitors

3K+
Industry
Visitors

30+
Excellence
Awards

Co-located Events

3rd Edition
G H2 India
Exhibition & Conference

INTERNATIONAL
STAINLESS STEEL EXPO
An Infinity Expo Initiative

Sustainable
Infra Summit
03-04 October 2024

Conference Agenda

Timing	Session
0800	**Registration & Coffee**
0855	**Welcome Remarks by Conference Chair:**
0900-0930	**Opening Keynote**
0930-1015	**Leaders Panel I: Seaport Cargo Terminal Leaders Forum** Exclusive session televised on **ET Now** talking about leadership level challenges like terminal load management, improving efficiencies, reducing cost, mitigating risks against the rapidly evolving policy backdrop, skilled workforce shortages, increasing capital cost, sustainability, and compliance pressures, maintaining ROI and shareholder value.
1015-1100	**Leaders Panel II: Airport Cargo Terminal Leaders Forum** Exclusive session televised on ET Now talking about leadership level challenges like terminal load management, improving efficiencies, reducing cost, mitigating risks against the rapidly evolving policy backdrop, skilled workforce shortages, increasing capital cost, sustainability, and compliance pressures, maintaining ROI and shareholder value.
1100-1115	**Refreshment Break**
1115-1200	**Leaders Panel III: Railway Cargo Leaders Forum** Exclusive session televised on **ET Now** talking about leadership level challenges like terminal load management, improving efficiencies, reducing cost, mitigating risks against the rapidly evolving policy backdrop, skilled workforce shortages, increasing capital cost, sustainability, and compliance pressures, maintaining ROI and shareholder value.
1200-1245	**Leaders Panel IV: Inland Cargo Terminal Leaders Forum** Exclusive session televised on ET Now talking about leadership level challenges like terminal load management, improving efficiencies, reducing cost, mitigating risks against the rapidly evolving policy backdrop, skilled workforce shortages, increasing capital cost, sustainability, and compliance pressures, maintaining ROI and shareholder value.
1245–1330	**Leaders Panel V: Cargo Terminal Digitalization Leaders Forum** Exclusive CTO's session talking about digitization challenges like budget and infrastructure constraints, legacy systems, management support, customer expectations, cyber security, data privacy implications, complex interfaces with multiple stakeholders like customs etc improving efficiencies, reducing cost, mitigating risks.
1330-1430	**Networking & Lunch**
1430-1515	**Leaders Panel VI: Cargo Terminal Security Leaders Forum** Exclusive Chief Security Officer's session talking about challenges like mitigating risks of theft, fire, terror attacks, smuggling, counterfeit, customs evasion, access control, perimeter security, personnel identification, and authentication etc with the ultimate objective of world class performance with zero risks.
1515-1600	**Leaders Panel VII: Cargo Terminal Sustainability Leaders Forum** Exclusive Chief Sustainability Officer's session talking about challenges like managing terminals carbon footprint, adhering to environmental compliances, aligning enterprise ESG objectives, maintaining proactive steps like spill management, waste management, energy transition, emission reduction, personnel safety etc.
1600-1615	**Refreshment Break**
1615-1700	**Leaders Panel VII: Cargo Terminal Planning, Modernization & Development Leaders Forum** Exclusive leader's session talking about challenges like site layout and configuration options, working marine terminal and rail yard configurations, truck gates and terminal circulation planning, options for quay and yard crane configurations, operations analysis, light pole and illumination layout and analysis.
1700-1745	**Leaders Panel VII: Cargo Terminal Asset Management Leaders Forum** Exclusive leader's session talking about challenges like managing and monitoring assets, their life cycles, maintenance, upkeep, uptime, upgrades, judicious availability of shared resources, ensuring visibility on equipment availability etc.
1745-1745	**Concluding Remarks and End of Day 1**

Conference Agenda

Timing	Session
0800	**Registration & Coffee**
0855	**Welcome Remarks by Conference Chair:**
0930-1000	**Improving Air Cargo Throughput: The Challenge for Handlers, Airports and Their Stakeholders** Every airport strives for optimal air cargo efficiency and productivity to operate successfully, serve its customers and remain attractive to new carriers. While the partnership between airports and their stakeholders is critical, increasingly the cargo handling agent is at the center of moving the product that keeps vital trade and our economy flowing. Handlers often face factors outside their control such as airport density and congestion, highway connectivity, and shortages of trucking and forwarder partners. How can airports, carriers and other stakeholders create synergy with the cargo-handling industry to maintain a robust throughput?
1000-1030	**Emerging Role of Blockchain in Terminal Operations Management** Globally the adoption rate of blockchain is higher in shipping compared to other modes of transport. In India blockchain adoption is increasing especially as a part of multiple government initiatives like ECTS. Some other application areas include Smart contracts, automated payments, smart bill of lading, certificate of origin, Exim licenses, real time tracking, claims management, route optimization, resource management, optimising airport resource usage, develop air cargo network, information exchange, rail network optimization, cargo tracking, monitoring track condition.
1030-1100	**Leveraging Big Data Solutions for Enhanced Terminal Efficiencies** The adoption of big data solutions across functions of logistics is significantly higher than many other technologies. It allows a diversity of applications like Port traffic management, vessel maintenance and performance analysis, spatial imagery analysis, on board diagnostics, smart sensors for safety, weather updates, safety reports, ground operation automation, dynamic pricing, demand planning, intermodal monitoring systems.
1100-1130	**Digital Twins Applications in Cargo Terminal Management** Digital twins use simulations to build resilience against natural disasters, cyberattacks and others. By using satellite and navigation systems they help assess the entire journey of shipments. Virtual layouts help companies redesign warehouses, container yards, etc to enhance productivity without impacting operations. In addition, digital twins are applied in Port & terminal operations management, fleet optimization and virtual transition of ship control system, Route planning, identification of constraints, optimization of air traffic systems, predictive maintenance of equipment, warehouse simulations.
1130-1200	**Refreshment Break**
1200–1230	**Cloud Solutions for Terminal Profitability** Compared to many other technologies, affordability of onboarding this technology is the primary reason behind its high adoption in the logistics industry. The areas of application are as diverse as Cargo monitoring solutions, digital freight forwarding, transport management systems, real time pricing, cargo and asset management, real time tracking and delivery updates,
1230-1300	**Optimizing Decision-Making in Terminal Operations** Running a terminal is a balancing act. Terminal operators are bombarded with complex scenarios and decisions that require fast thinking and wise judgment. Even a small misstep can result in costly delays. At any given moment, they may need to make a snap decision about berth allocation, yard planning, resource allocation, scheduling, sequencing, handling exceptions, or disruption. In today's digital industry, operators need to be able to process large amounts of information. Technology can play an essential role in providing real-time data analysis, predictive analytics, and scenario modelling to help terminal operators anticipate challenges, identify opportunities, and make strategic adjustments that maximize operational efficiency and profitability.
1330-1430	**Networking & Lunch**
1430-1500	**Overcoming Challenges of Inefficient Yard Space Configuring** The yard is basically a large storage area in the terminal that has to be efficiently managed. The main complexities here include optimal cargo allocation, handling equipment and staff coordination, and truck movement organizing. Different storage areas have to be created and freight has to be allocated according to further operations. Since most terminals process thousands of containers (not to mention other cargo types) daily, orchestrating all these processes manually is barely possible.

Conference Agenda

Time	Session
0500-1530	**Terminal Operating Systems as Future-proofing Strategies** To stay competitive over the long haul in such a dynamic industry, terminals must practice long-term, big-picture planning and future-proofing. This involves anticipating and proactively preparing for changes in technology, regulations, and market conditions. In today's competitive landscape, staying ahead requires embracing data-driven terminal operating systems that utilize cutting-edge technologies.
1530-1600	**The Role of RFID & IOT Applications in Boosting Terminal Efficiencies** One of the primary contributions of IoT to port and terminal operations is real-time monitoring and tracking. By equipping containers, chassis, and other assets with IoT sensors and RFID tags stakeholders gain visibility into their location, status, and condition throughout the supply chain. Applications extend to monitoring location, remote reefer temperature control, vehicle emission tracking, asset track & trace, container tracking in yards.
1600-1630	**Refreshment Break**
1630–1700	**Automated Container Handling Systems for Optimal Performance** Automated container handling systems utilize advanced technologies, including automation, robotics, and control systems. These technologies improve efficiency, safety, and reliability in container handling. The critical equipment in automated container handling is Automated Guided Vehicles (AGVs), Autonomous Mobile Robots (AMR), automated cranes like Automated Stacking Cranes or Automated Straddle Carriers (ASCs), Conveyors, Radio-Frequency Identification (RFID) or barcode systems, and data analysis software. Sensor technology plays a significant role in automated container handling systems. Sensors collect data on the position, movement, and condition of containers and equipment in the terminal.
1700-1730	**Preventing Data leakages in Reporting and Analytics Activities** Terminal operators need to have full visibility into all facility activities. Some of the important KPI categories that have to be monitored are gate events and truck movements, terminal inventory, vessel movements, crane (and other equipment) productivity, yard utilization etc to create all these valuable reports, data has to be collected across all terminal departments. However, traditional organizations with siloed structures make data sharing very complicated, leading to information leakages and communication delays (which cause disruptions too).
1730-1800	**Improving Cargo Tracking to Minimise Lost Freight** A key problem terminals face is monitoring cargo flow within the terminal. Goods have to be tracked when they arrive, unloaded/loaded, transshipped, and stored, so that nothing gets lost in the terminal chaos – which unfortunately is not an uncommon situation.
1800-1800	**Concluding Remarks and End of Conference**

A Platform to Award Success Stories and Create Benchmarks

The Global Logistics Excellence Awards will be a platform that will put a spotlight on the heroes of the sector who have risen in spite of challenges whether managing logistics operations within the enterprise or as 3PL players. The Award Show will identify shortlist and bring to the forefront individuals, organizations and projects that have created excellence in the domain of logistics.

The Awards will not only be an expression of gratitude but will also help spread the knowledge that comes from the successful case studies, best practice which will become the benchmark for many more professionals to follow.

The contestants can apply for **60 awards in 10 categories** supported by applications in the required format. The awards will be judged by an eminent jury comprising senior industry professionals.