

Nextrade Group
2023

CARBONLESS COMMERCE™

To net-zero world trade



PROBLEM

- Global shipping fleet's emissions rising to 17% of the global total emissions by 2025
- Ports and free trade zones still with considerable backlogs, idling, pollution
- SMEs produce 60% of emissions and lack capacity to measure their footprint and drive to net zero



CARBONLESS COMMERCE

Data, analysis and action to measure, mitigate, and manage carbon in global commerce

1. SMEs

- Measure SME traders' green transition
- Track green standards and barriers facing SMEs
- Platform to enable SMEs to measure their greening against customer standards, peer firms

2. Ports and FTZs

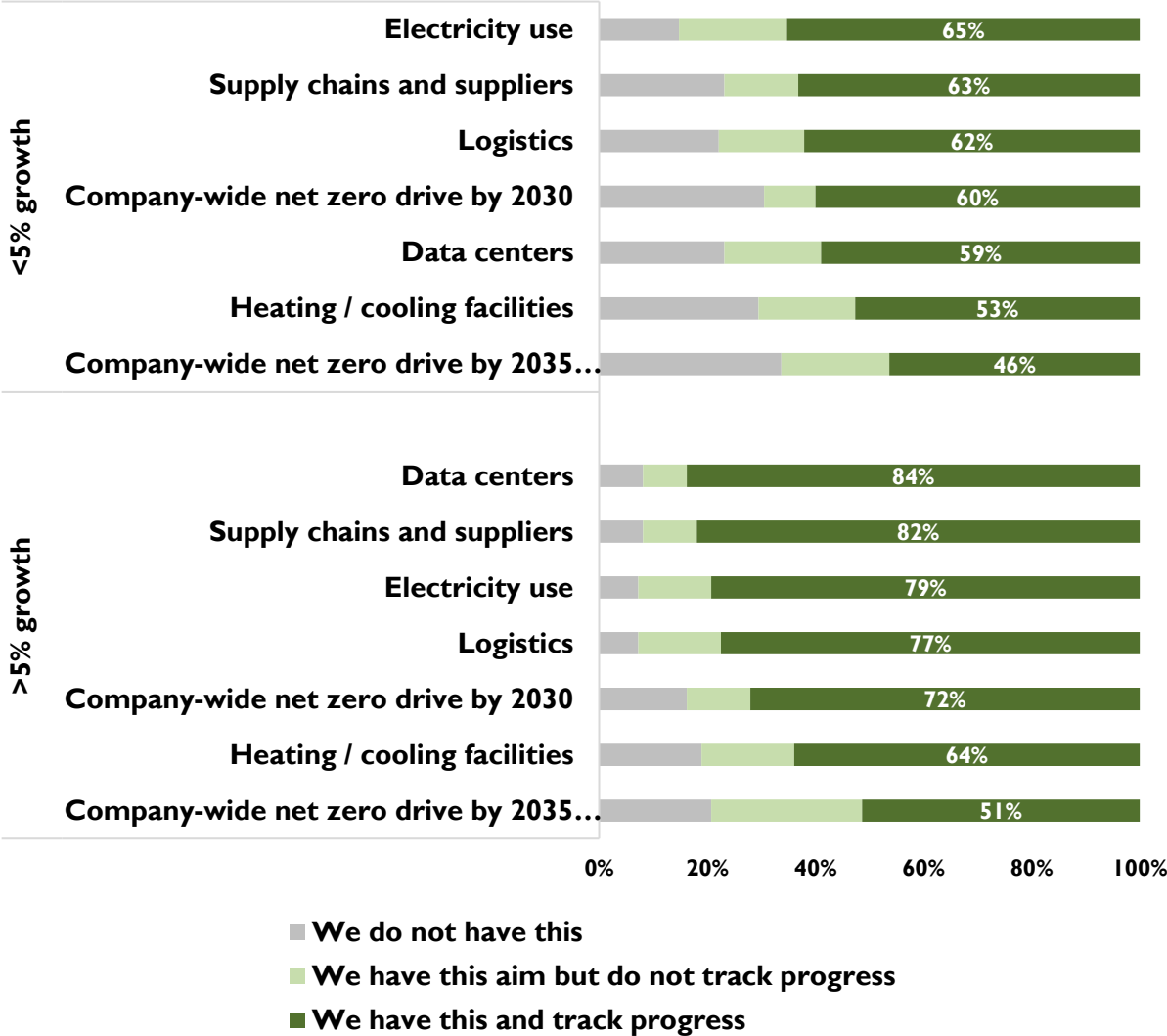
- Identifying green port and green FTZ projects
- Understanding how digitization supports greening
- Lab of facilitate development of digital and green ports and corridors

3. Logistics providers

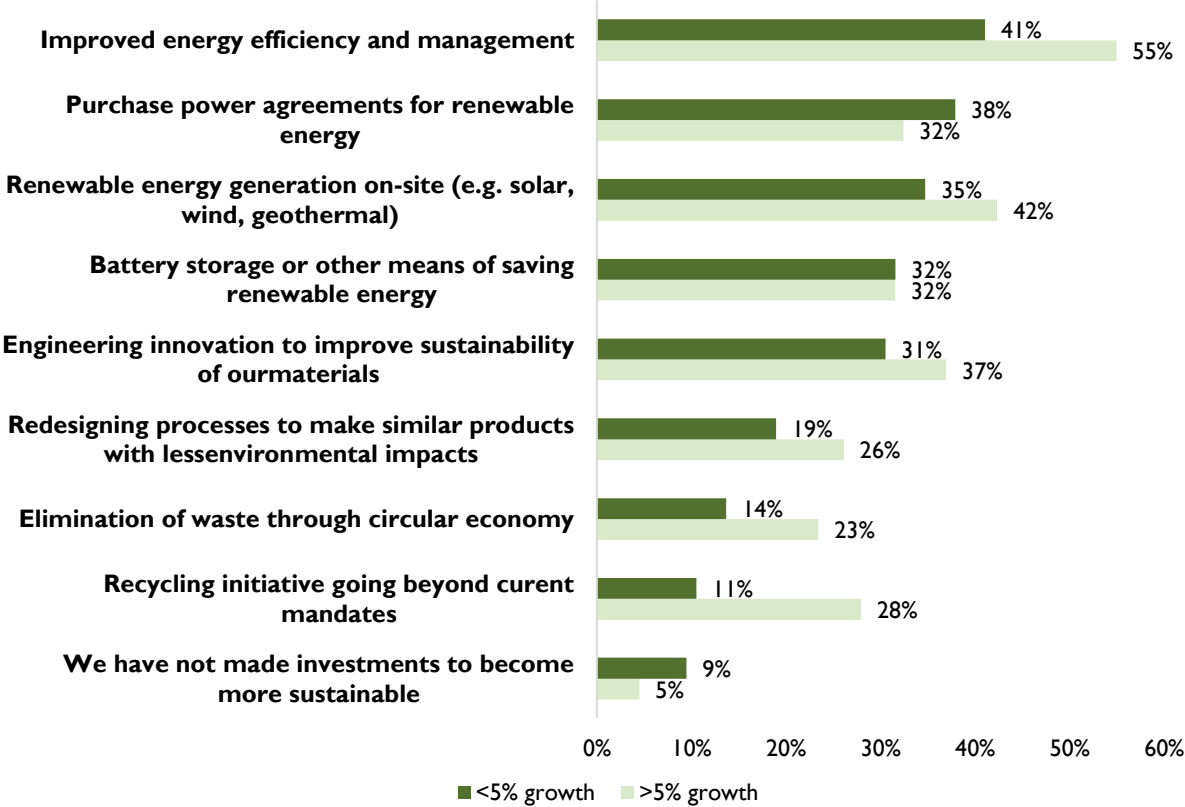
- Tracking green fleets by providers and markets
- Developing market-based mechanisms to green developing country fleets

OUR EXPERIMENTAL DATA: FAST-GROWING EMERGING MARKET EXPORT-DRIVEN SMES HAVE ALREADY FOCUSED ON GREENING

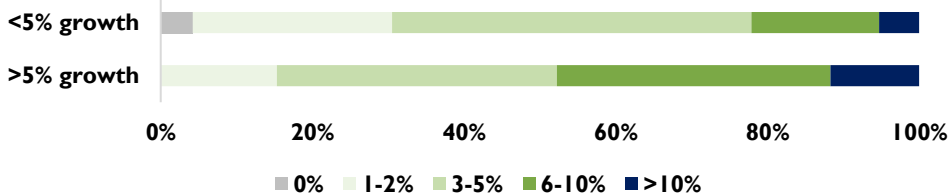
Do you have sustainability / greening targets?



Investments to become more sustainable



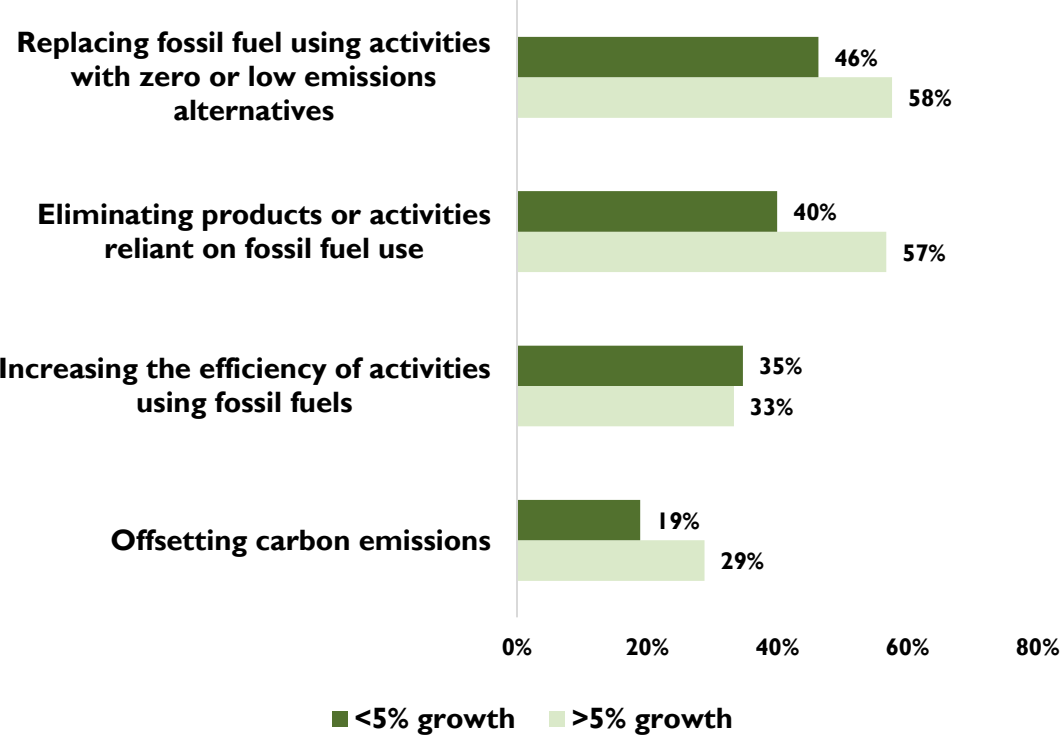
Most firms invest ~5% of revenue on sustainability



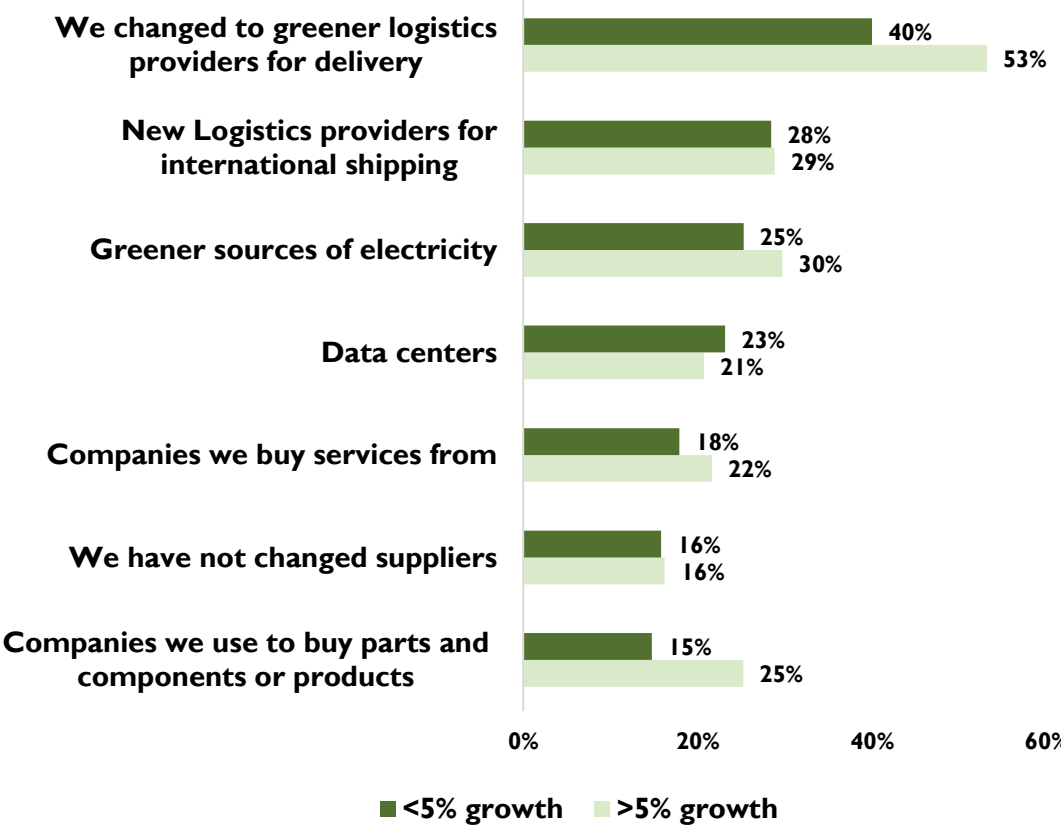
Source: Nextrade Group survey with Asia-Pacific, African, and MENA micro and small firms

SMES HAVE REPLACED DIRECTLY OR INDIRECTLY FOSSIL FUEL USE AND CHANGED LOGISTICS VENDORS

Strategies to reduce fossil fuels



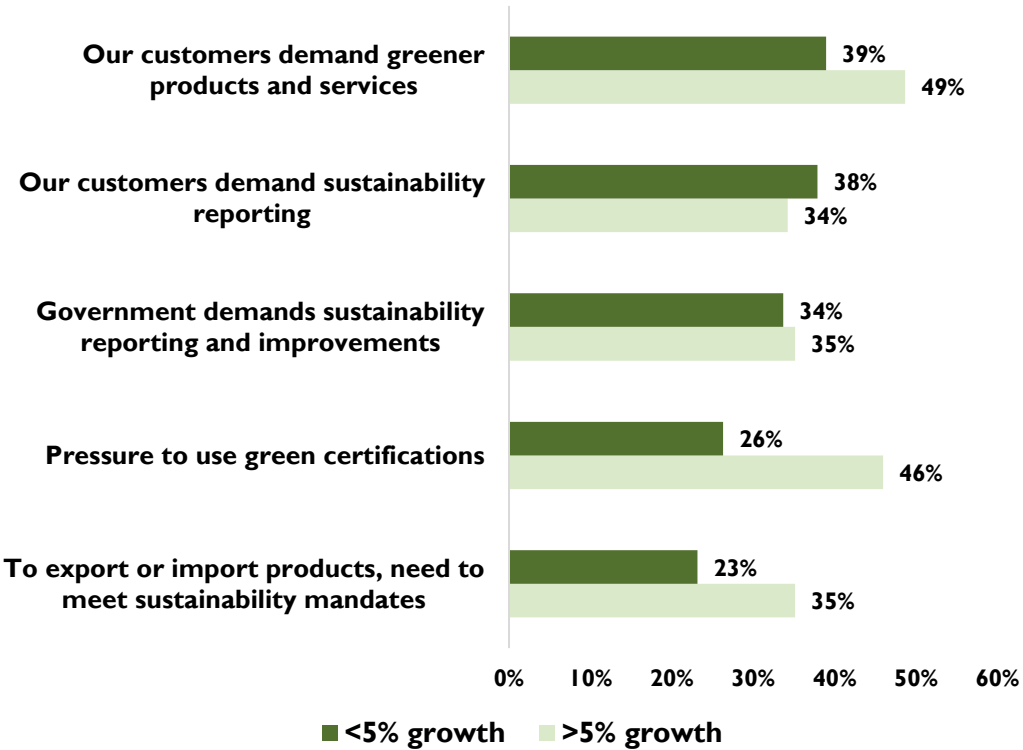
Change of suppliers to meet sustainability targets and mandates



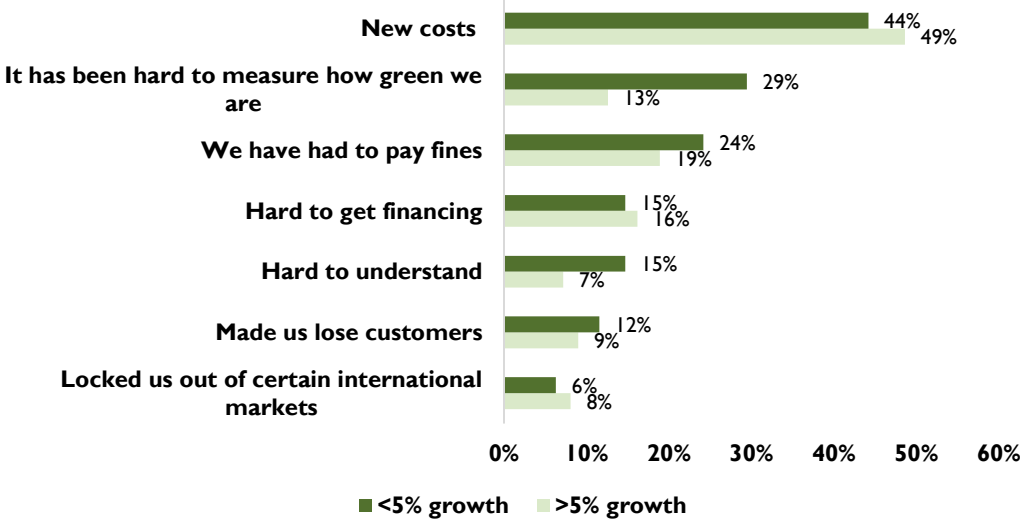
Source: Nextrade Group survey with Asia-Pacific, African, and MENA micro and small firms

EMERGING MARKET SMES HAVE AMPLIFIED AI USE IN THE PAST FEW YEARS

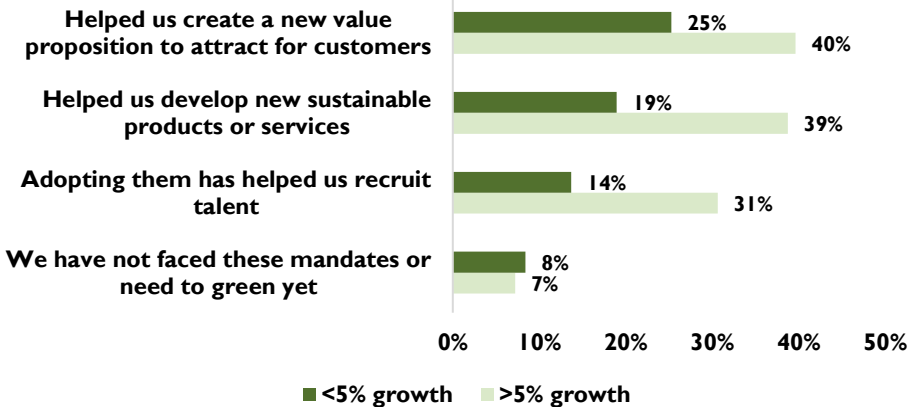
Demands SMEs face for sustainability / greening?



Negative implications of sustainability / greening mandates



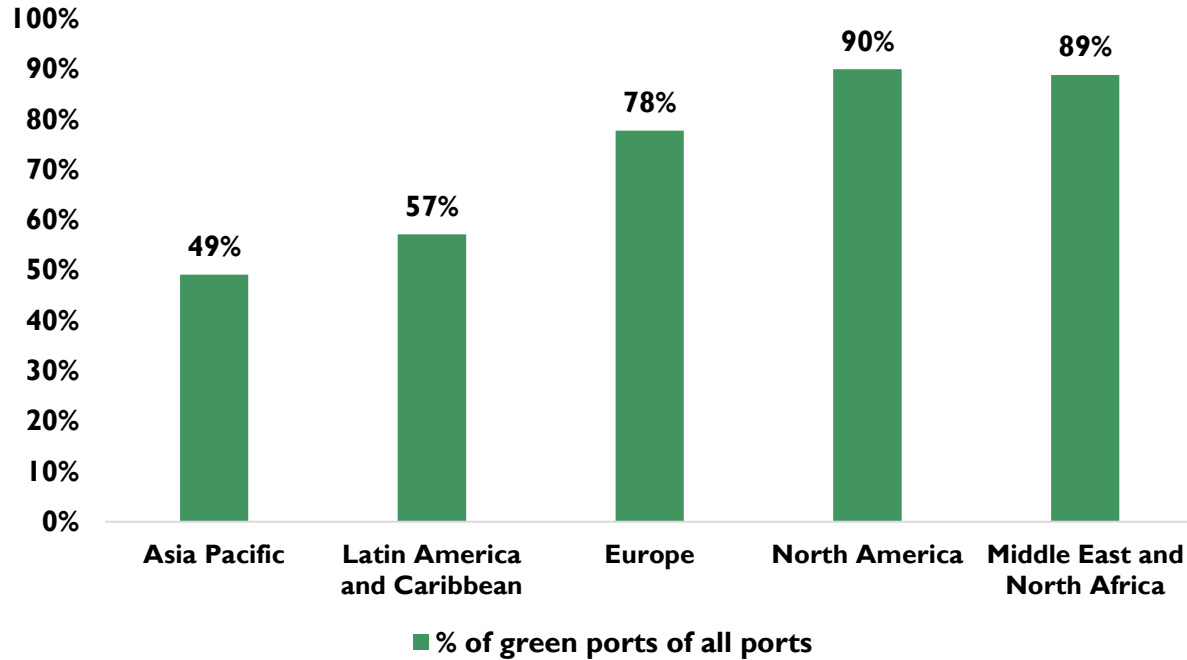
Positive implications of sustainability / greening mandates



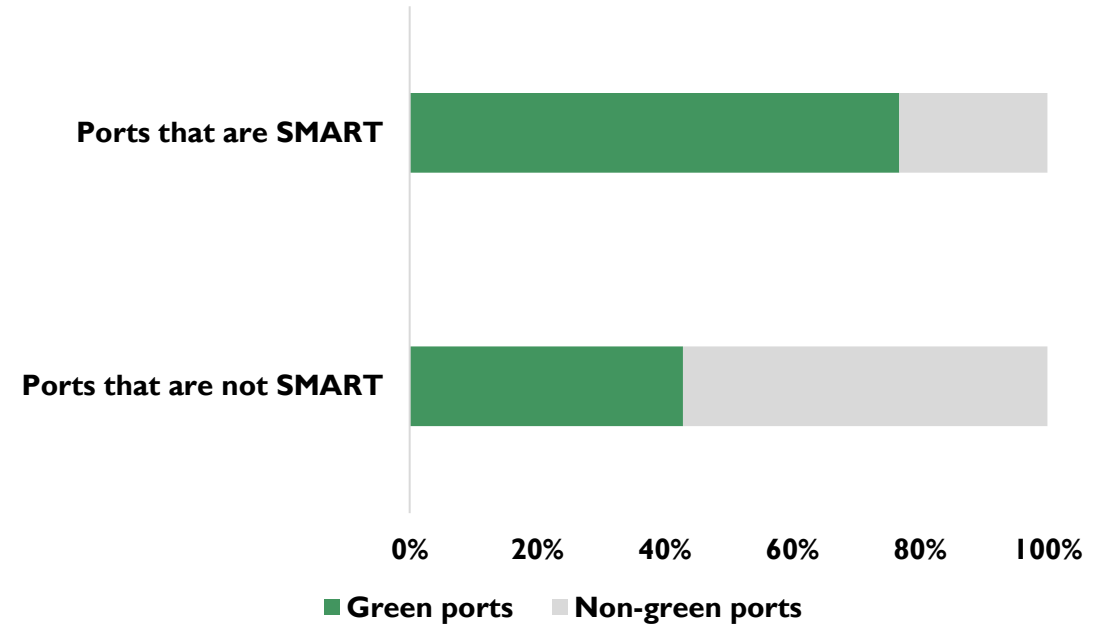
Source: Nextrade Group survey with Asia-Pacific, African, and MENA micro and small firms

TRADE ECOSYSTEM USED BY SMES THAT TRADE ALSO GREENING

Ports around the world are greening



Smart ports = green ports



Source: Nextrade Group

Examples:

- **Jeddah:** Smart Port Initiative to automate terminal operations through 5G, improved infrastructure, cloud computing services, cybersecurity; Green Port Initiative aims to **cut energy consumption by 15 per cent, electrify equipment and phase out diesel**
- **Rotterdam:** Digital twins, IoT sensors, digital traceability, use of drones, blockchain system linking logistics and payments, 5G testing; transition to **renewable and green energy sources to electrify ports**
- **Shenzhen:** Smart Port project applies 5G, IoT, big data, AI and other emerging technologies in port services and operations for automation, efficiency, and intelligent management; includes **green and low carbon initiatives**



THANK YOU

kati@nexttradegroupllc.com