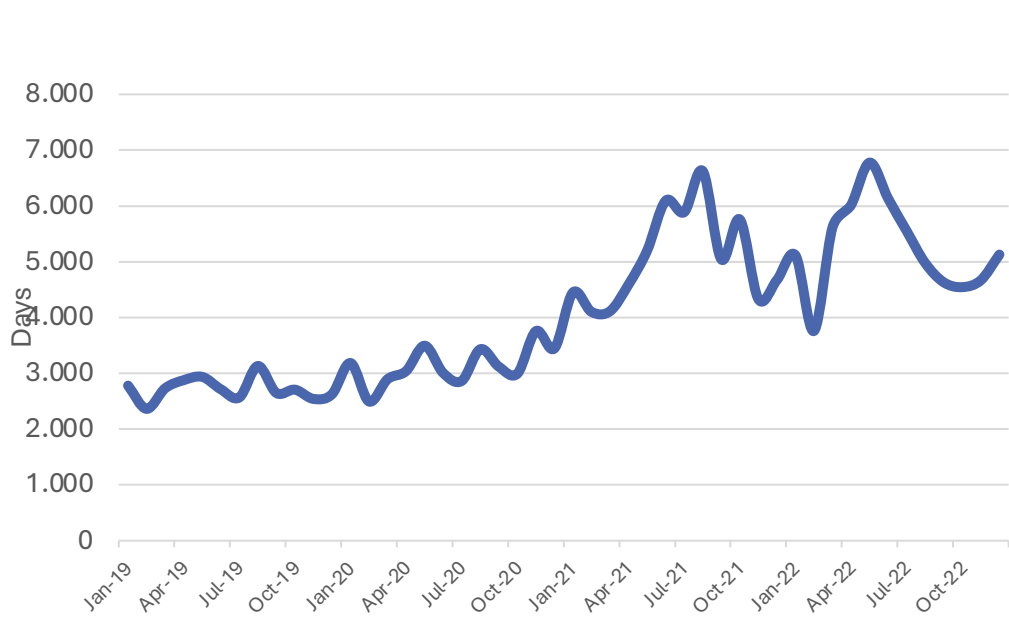
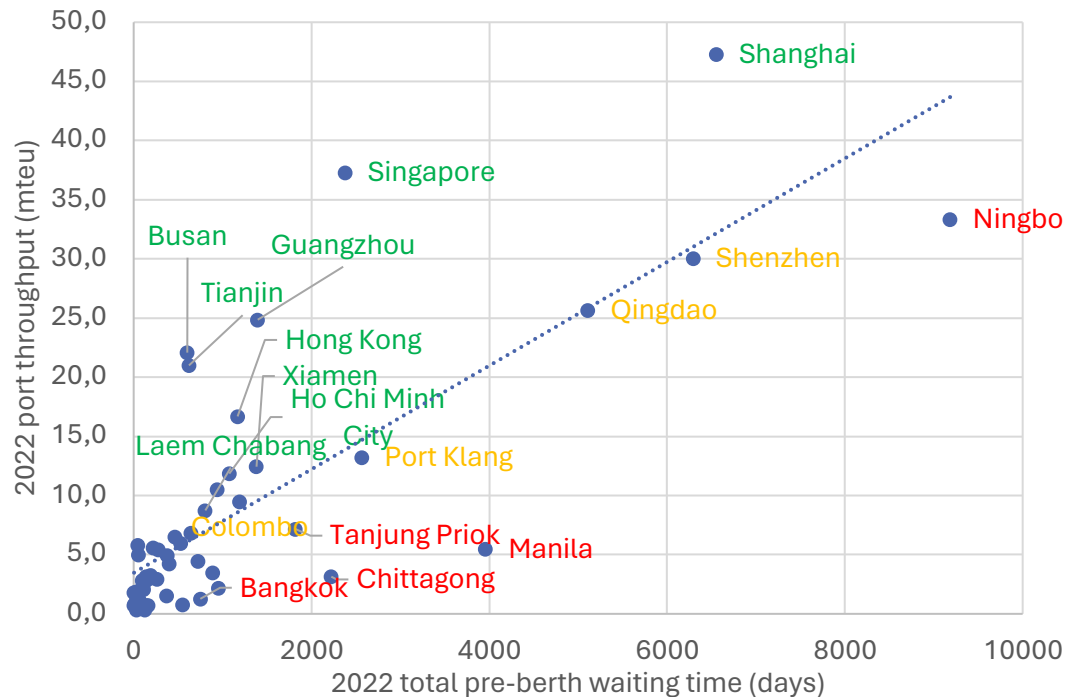


Smart Port Systems: Near-term Solution with Co-benefits

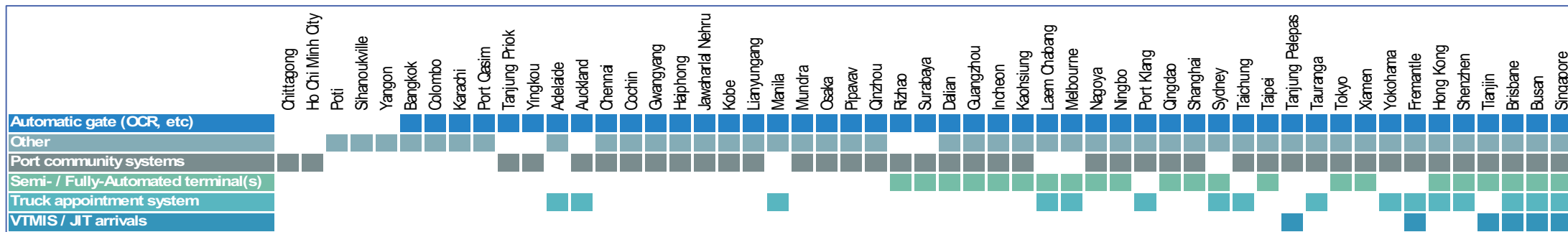
Total pre-berth waiting time, 2019-2022



Pre-berth waiting time vs. port throughput, 2022



Smart Port Systems in Use, Sample of 53 Ports in Asia and the Pacific



Source: Dara compiled from respective port authorities.

INTERNAL. This information is accessible to ADB Management and staff. It may be shared outside ADB with appropriate permission.

Assessing the Emissions Saving Potential (2022 baseline)

21-43%

Chittagong Smart port score 17%	2022 performance
Container throughput	3.1 mteu
Container vessel calls	1293 calls
Total waiting time (days)	2223 days
Average pre-berth waiting per call	1.72 days
Average pre-berth waiting per 1kteu	0.71 days

Busan Smart Port Score 100%	2022 performance
Container throughput	22.1 mteu
Container vessel calls	10756 calls
Total waiting time (days)	603 days
Average pre-berth waiting per call	0.06 days
Average pre-berth waiting per 1kteu	0.03 days

Colombo Smart Port Score 33%	2022 performance
Container throughput	6.9 mteu
Container vessel calls	3216 calls
Total waiting time (days)	648 days
Average pre-berth waiting per call	0.20 days
Average pre-berth waiting per 1kteu	0.09 days

13-29%

4-11 %

Source: Authors' elaborations from Drewry AIS database.