



DP WORLD

PATH AHEAD



Last 12 months – and path forward

Challenges – last 12months	Perceived solutions in market	Options	Path ahead – refocus on efficiency
Vessels arriving : Erratic – 30% omissions / 5-20% on schedule causing bunching / berthing delays	Need more berth / cranes	Build more terminals or plan better	Improved planning – today 48hrs – future 7-14days
yard congestion / long dwell	Need more yard	Build more or plan better	Improved planning – today 48hrs – future 7-14days
Unproductive moves in yard (rolled cargo, ITT moves, dwell time import)	Terminal problem	More yard, better planning	Better planning and discipline !
Manual vs. Automation	Manual : better productivity Automation: slower, but safer	Full automation or hybrid	Continue to develop hybrid solutions to reduce key factors for accident <ul style="list-style-type: none"> - Fatigue - Speed - Surroundings - accuracy / impacts
safety – covid 19 focus	Automation / work from home	Hybrid - and regained focus on overall safety!	Ref above + <ul style="list-style-type: none"> - Improve health for prevention - Wider collaboration
Environment / emissions	Electrification and automation	Hybrid	Energy capture (equipment), solar, system enhancement on efficiency on distance/path/productivity

Finding funding/incentive solutions between industry parties to address – here are some example

VGM – legislation in place – yet no enforcement

Safety – industry in silos? Can terminals support truckers (weighing, turn around, impact damage), lashers (automate, smart geofencing), shipping line (measured weight) – and vice versa.

Environment – improved efficiency / new technology = reduced investment and environmental footprint for government to 'BUILD'

Address change in work environment as automation grows in most industries to help achieve a more harmonic progress in society



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