New Roles of Port and Container Terminal Automation

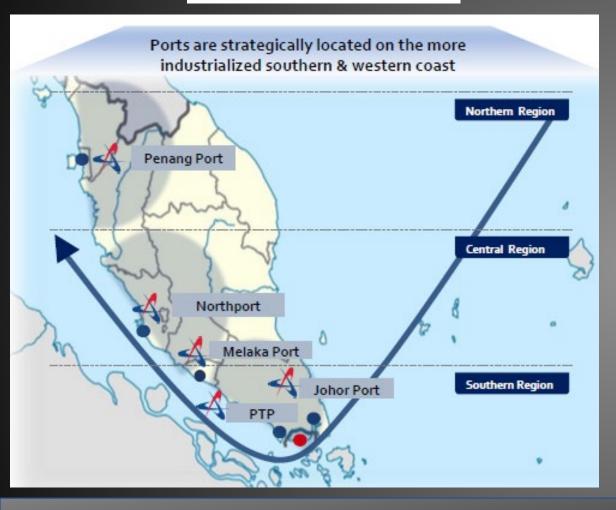
25 June 2020











MMC PORT HOLDINGS
IS MALAYSIA'S LARGEST PORT
OPERATING GROUP

MMC Ports are strategically located along Straits of Malacca

MMC Ports Capacity:

20 mil TEU

2019 Volume

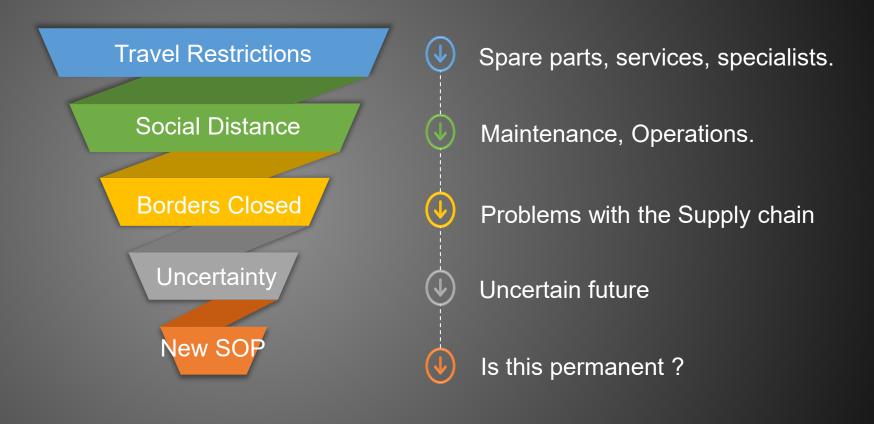
- 14.5 mil TEUs
- 37 mil FWT (conventional)





What did COVID 19 bring?

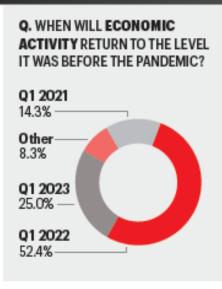
Life for some was at a standstill, while front line workers were facing a new normal.



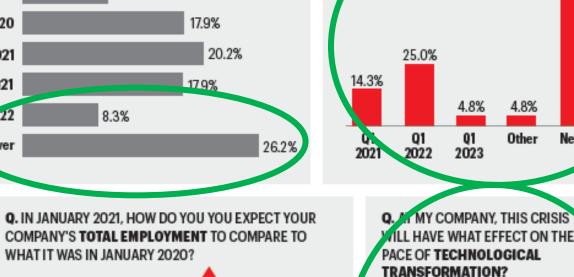


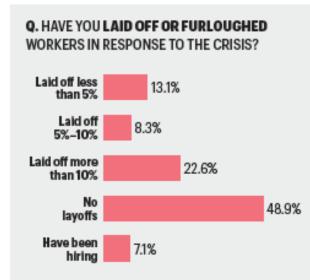
New Roles of Port and Container Terminal Automation

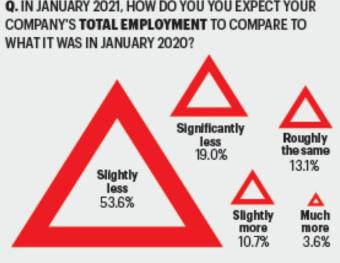
FORTUNE SURVEYED THE CEOS OF THE 2020 FORTUNE 500 LIST... AND HERE ARE THE RESULTS.

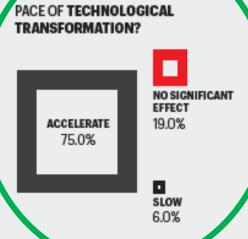












Q. WHEN WILL BUSINESS TRAVEL AT YOU

COMPANY RETURN TO THE LEVELS IT WAS

4.8%

Q1

2023

4.8%

Other

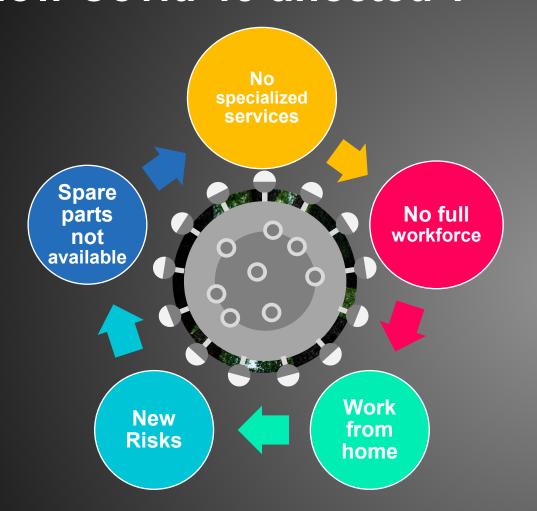
51.1%

Never

BEFORE THE PANDEMIC?



How Covid-19 affected?





Spare Parts not available

The normal supply chain was interrupted. Borders closed. Parts were not readily available.



Specialized Services

They were not available for a period of time. The Ports had to depend on their own capabilities and workforce.



Workforce

The social distancing reduced the workforce capabilities at certain areas, this might become critical.



Work from Home

We were not ready to sent the support services to work from home. Hardware, connectivity and training problems.



New Risks

Uncertain volume. Covid inside the Port?



New Roles of Port and Container Terminal Automation

How to reinvent our technical mindset?

Digitalize process Redesign the **Training** and access. Rethink our supply chain Training connectivity Remote control? including new risks Training Automation? Connectivity **Supply Chain Digitalization Training**



New Roles of Port and Container Terminal Automation

Focus on the Essentials:

Connectivity **Central Control** Fiber Optic 4G - Intranet - Hardware Real time tracking **Network inter Ports** Now

Supply Chain Redefine Inventory Parts Agreements Logistics **Shared Inventory** Suppliers to work from remote **Short Term**

Automation Digitalization OCR (QC-Gates) Remote Control & Access **Horizontal Transport Pinning Station Mid Term**

Training Technical E-learning E-tools **Specialized Training** Suppliers Trained for Remote **Always**



THANK YOU



HOW TO PREVENT













WASH

your hands well and often to avoid contamination

COVER

your mouth and nose touching eyes, nose, with a tissue or sleeve when coughing or sneezing and discard tissue

AVOID

or mouth with unwashed hands

CLEAN

and disinfect frequently touched objects and surfaces

STOP

shaking hands or hugging when saying hello or greeting other people.

DISTANCE

yourself at least 2 meters (6 feet) away from other people, especially those who might be unwell.

SYMPTOMS



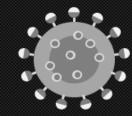








BREATHING DIFFICULTIES



FEVER

(High Temperature) COUGH

SHORTNES S OF BREATH