MARITIME 5G TRIALS AN OVERVIEW







MARITIME





CONTRIBUTES 7% TO OUR NATION'S GDP



WORLD'S BUSIEST CONTAINER TRANSHIPMENT HUB



APPROXIMATELY 1,000 SHIPS IN THE PORT OF SINGAPORE AT ANY ONE TIME



MARITIME IS A KEY SECTOR FOR SINGAPORE

OVER 170,000 EMPLOYEES



IN 2018, VESSEL ARRIVAL TONNAGE REACHED 2.79 BILLION GT



SUPPLIED 49.8 MILLION TONNES OF BUNKER IN 2018





MORE THAN 5,000 MARITIME ESTABLISHMENTS



36.6 MILLION TEUS OF CONTAINER THROUGHPUT IN 2018



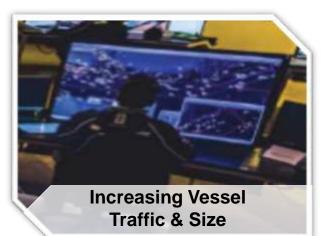
SINGAPORE REGISTRY OF SHIPS (SRS) AMONG WORLD'S TOP 5 LARGEST SHIP REGISTRIES



INFOCOMM MEDIA DEVELOPMENT AUTHORITY

2

CHALLENGES IN THE MARITIME SECTOR











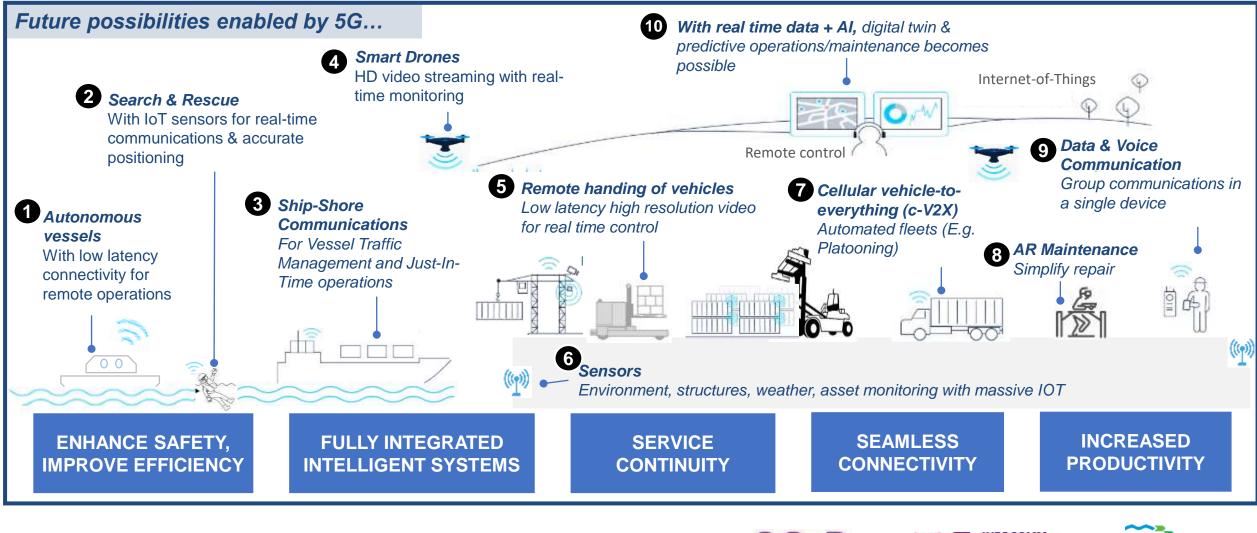








5G CAN ENABLE SOPHISTICATED USE CASES IN MARITIME



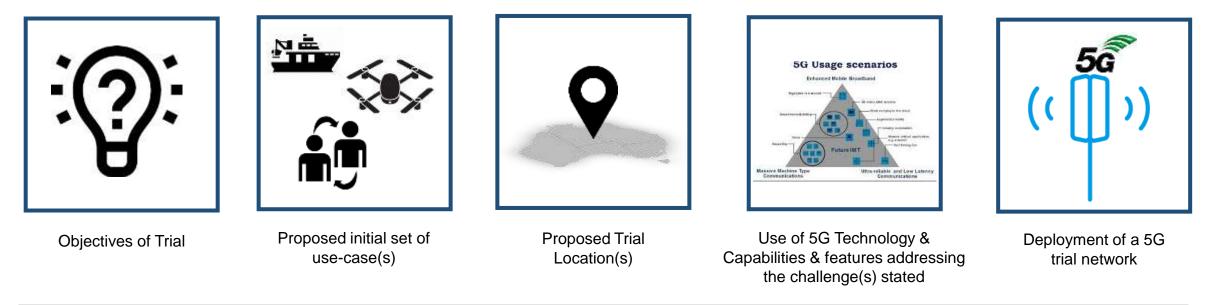






SINCAPOR.

MARITIME 5G TRIAL PROPOSALS SHOULD INCLUDE



- Proposals should include detailed technical assessments of performance of deployed infrastructure (e.g. coverage quality)
- Proposals should include use of sub 6Ghz and mmWave spectrum where reasonable
- IMDA & MPA will facilitate engagements with industry to on-board more use cases after infra is deployed
 - Proposals should include estimates of additional requirements (e.g. infra capacity headroom, manpower needed to provide infrarelated technical integration support) to onboard new use cases



EXAMPLE OF POSSIBLE TRIAL SITES







FUNDING SUPPORT AND ELIGIBILITY

Co-funding of **up to 70%** of qualifying costs:



ELIGIBILITY

Singapore-registered companies with at least 30% local shareholding are eligible to receive the grant for project funding

(Local shareholding refers to shareholding that belongs to individuals who are Singapore Citizens or Permanent Residents)





Interestedapplicants,pleasesubmitthecompletedProposaltemplateto5GSG@imda.gov.sgwith email subject header:

5GSG Trial Maritime - <Company Name>

For enquiries, please email to <u>5GSG@imda.gov.sg</u> with email subject header:

5GSG Trial Maritime Enquiry - <Company Name>