

DEMYSTIFYING COMPLEX CONNECTIVITY | KEEPING IT SIMPLE!

Digital Ship, Bergen

November 2022

DEMYSTIFYING COMPLEX CONNECTIVITY



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TOPICS TO DISCUSS

- Eutelsat ADVANCE Reliable Backbone Connectivity for Service Partners to Innovate
- Future-proof technology with competitive advantage
- Towards a multi-orbit GE/LEO strategy to answer to all needs
- ▶ Q & A



MARITIME SATCOM CONCERNS Flexible solutions for diverse sea-operations BANDWIDTH RETURN **GLOBALIZATION** DEMAND ON INVESTMENT GROWTH PARTNER **FLEXIBILITY** CYBERSECURITY **ENABLER** & SCALABILITY **FUTURE-CENTRALISED** ESG PROOFING CONTROL



EUTELSAT AMBITIONS IN MARITIME CONNECTIVITY

First to launch

a Global Ku-band iDirect Service with Automatic Beam Switching in 2008

Global Mbps Network

serving Maritime, Enterprise, Government and Aviation

100% Indirect distribution

now extending form MHz to Mbps, one step further in our mission

Lower barriers of entry

for new players in the maritime connectivity world: you





THE EUTELSAT CONTRIBUTION TO FUTURE OF SATELLITE COMMUNICATIONS





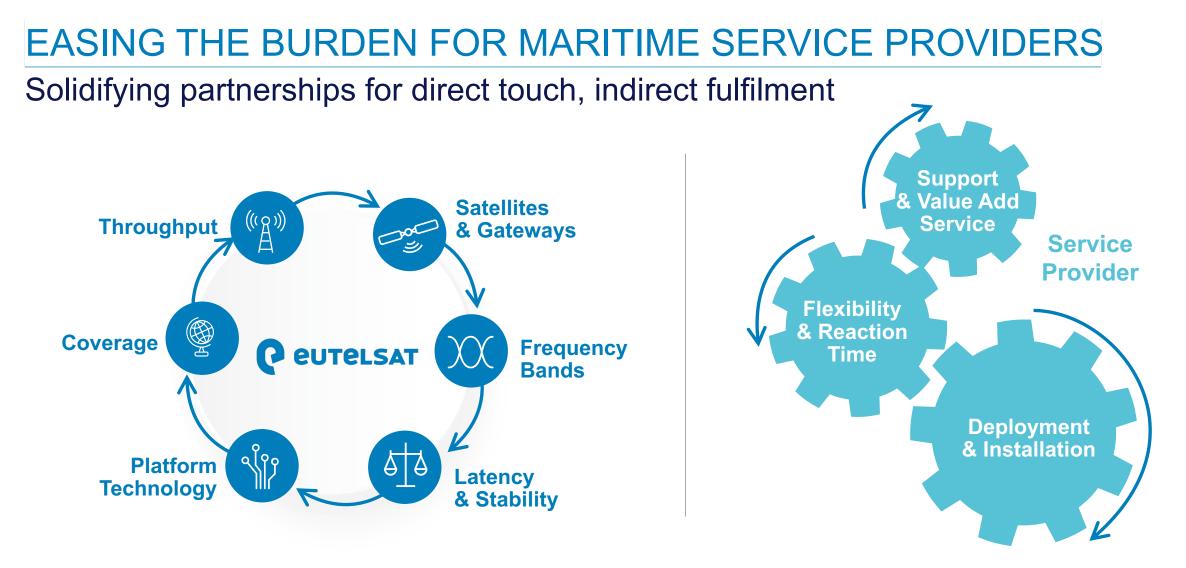
Spearheading a new generation of SOFTWARE-DRIVEN satellites



Pioneering very high throughput VHTS technology to amplify capacity everywhere



Combination of Eutelsat and OneWeb getting the best of GEO and LEO



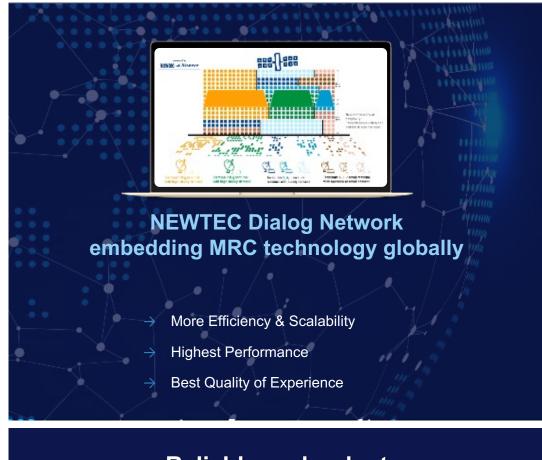
Maritime operators require optimisation of all from above today, to enable the digitalisation goals in supporting a host of downstream applications and crew connectivity requirements



INTRODUCING EUTELSAT ADVANCE



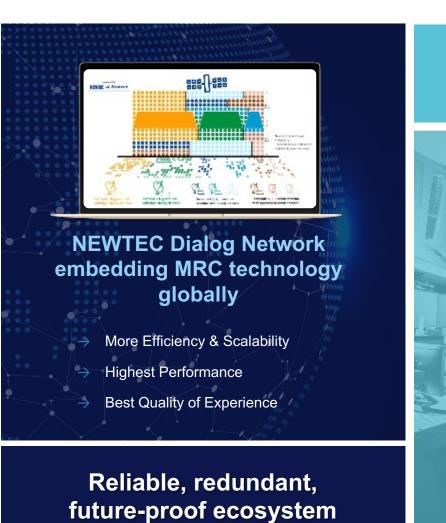
BEST PLATFORM TECHNOLOGY



Reliable, redundant, future-proof ecosystem

- → Future proof and most FLEXIBLE Platform securing Eutelsat's best in class services.
- → Best in class VSAT technology platform Spectrum efficiency improvements to and from vessels
- → < FWD link is 10% more efficiency with DVB –S2X versus DVB-S2, 50% more efficient than MF-TDM RTN Link >
- → Increased throughput based on the same ODUs, reduce data transmission time

BEST PLATFORM TECHNOLOGY WITH USER EXPERIENCE FOCUS



24/7 Support with expert NOC

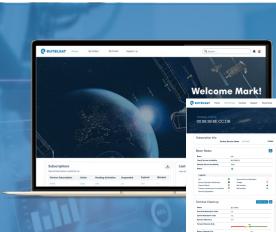
Level 2 Customer with On-call 24/7 Support : Single Point Of Contact for all ETL partners for operational matters

Continuous improvement KPI and streamlined processes

High level of Trouble Shooting & Fault recovering

NOC

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Online service provisioning and selfmanagement of services

Network management and monitoring tools

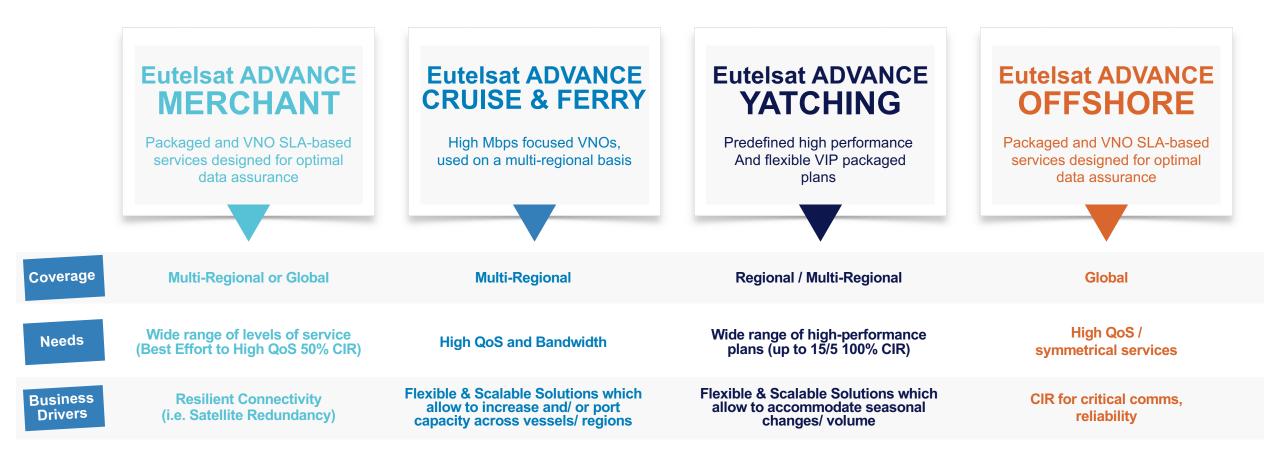
Short term services available for full flexibility

Partner Portal, End-Customer Portal & Web services available

Automation & Streamlined Operational Support

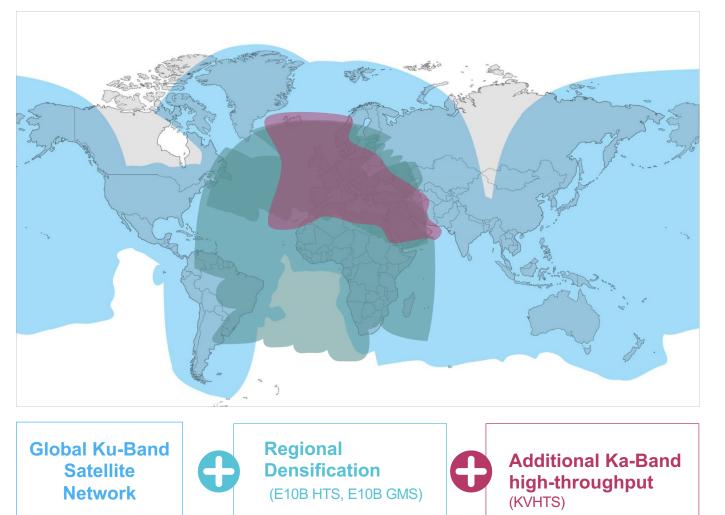


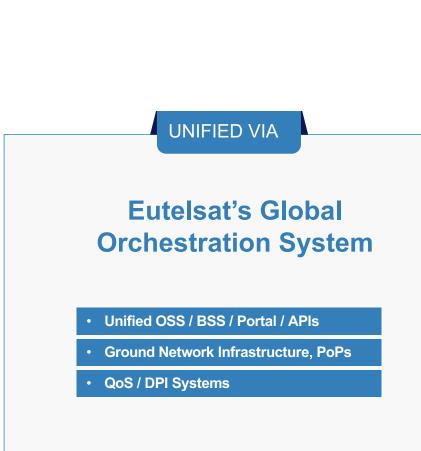
PORTFOLIO OF SERVICES TO MEET EVOLVING NEEDS





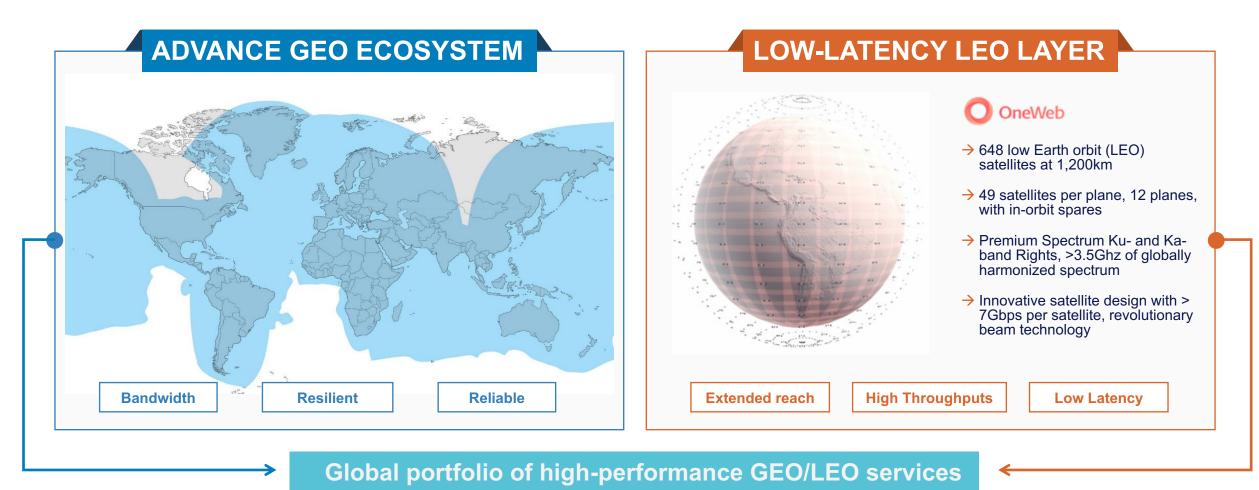
A COMPREHENSIVE ECOSYSTEM WITH PROGRESSIVE INTEGRATION OF FUTURE CAPACITIES





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COMPLIMENTARY GEO/LEO ECOSYSTEM REDUNDANCY & GLOBAL REACH, & BEST PATH FOR EACH APPLICATION





MARITIME LEO VALUE PROPOSITION



High-speed Low latency Global coverage Security Reliability Compact UT Low capital UT

Up to 100Mbps+ using marine UT

70ms between UT and Eutelsat PoP

Including Arctic

Full channel encryption

Embedded fault tolerance and spare satellites

- Dual 53, 73m marine parabolic antenna
- ~ 10% of the price of Offshore 2.4m stabilized antenna
- \sim 1/4 of the price of Maritime VSAT antenna

In a nutshell

- → Offshore Live NOW
 → Mobility Trials starting Q1 2023
- → Double antennas 74cm first,
 → Hardware + Services

→ Simple packages with GB allowance \rightarrow 3 speeds for 3 main segments

50/10 Mbps

Tankers

Yachts

10/2 Mbps Fishing Merchant

75/15 Mbps Offshore Passenger

THANK YOU ...to Digital Ship and all participants!

MORE INFORMATION:

Website: <u>https://www.eutelsat.com/en/satellite-communication-services/maritime-connectivity.html</u>

Contact: ppetitjean@eutelsat.com



Q&A