

# 5G O-RAN: Providing Ultra Clear Clarity for Marine Communication

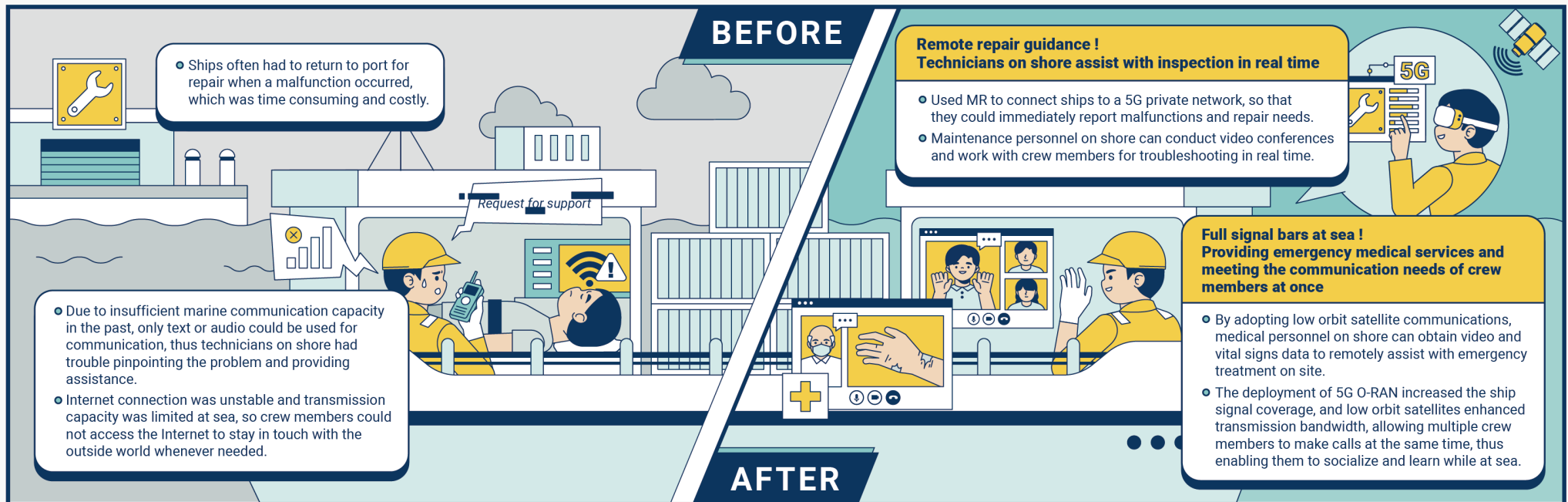
## 5G O-RAN Private Network System Combined with Low-Orbit Satellite Communication for Application on Freighters

Seafarers are often out at sea for about a year; however, the deployment of low orbit satellites coupled with 5G network infrastructure has increased transmission capacity and network coverage while sailing, meeting the urgent needs of crew members for healthcare, ship troubleshooting, communication, and socialization.

### Project Results

**#Significantly Improved Communication Efficiency** | Network transmission capacity increased by at least 10 times compared to the transmission rate of high orbit satellites currently used by ships, making application services available on ships.

**#International Cooperation** | Cooperated with low orbit satellite service providers worldwide, linking domestic 5G proprietary technology solutions providers and increasing the network coverage on ships.



**Key Technology** # 5G O-RAN # Low Orbit Satellite Communications # Remote Assistance to Handle Any Situation

**Technology Unit** PEGATRON CORPORATION

**Domestic Trial Site** Domestic Cargo Ship