



2020/9/25

# 國家運安會2020VDR 技術研討會 裕民航運

by:

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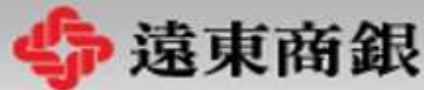
THE FIRST CHOICE FOR CUSTOMERS,  
EMPLOYEES, INVESTORS AND THE ENVIRONMENT





# 公司簡介

# 遠東集團八大上市公司(台灣)



集團董事長 徐旭東



總經理 王書吉

## 裕民航運(股)公司

◎資本額：  
新台幣88億元

◎經營項目：  
船舶運送  
船舶買賣  
船務代理



# 船 隊 統 計

船舶類型	船隊	在建船舶
海岬型	17	1
巴拿馬極限型	11	2
輕便型	6	0
水泥船	4	0
VLCC	5	0
小計	43	3
總計	46	

- 船隊(含在建船舶) = 自有船舶 + 租入船舶 + 合資聯營
- 船隊總載重噸為**659萬噸**。



# 船 隊 數 位 化



# FSM 系統 可優化船舶安全數位化管理

Accelerate solutions and optimize the digital management of FSM system

A Phased Execution Process



**2016 / 1**

**Transforming maritime fleet management for Taiwan's U-Ming**

Enabling U-Ming to collect near-real-time data on vessel location and movement with Ericsson's Maritime ICT Cloud. It improves visibility from ship to shore, reduces U-Ming's costs and delivers efficiencies both internally and for clients and partners.



**Enhancing U-Ming fleet management with IoT technology**

Ericsson IoT Accelerator platform service solution offers "Collision Warning" and "Piracy Threat Prediction"; Vessel Data Management to increase vessel data visibility, and Remote Maintenance System to decrease maintenance and repair cost and time.

**2017 / 6**

**2018 / 7**

**Achieving smart vessel management**

"Collision Warning" and "Piracy Threat Prediction" enables U-Ming to manage its fleets with the highest safety standard and successfully prevent potential maritime accidents. The digitalization of vessel information and automatic updates help reduce the errors of manual recording.



**Taking the lead to upgrade maritime safety to the next level**

Integrate "Weather Information", new adding "Anchor Dragging Warning", "Danger Zone Display" and "My vessels" functions to complete the information for the Internet of Vessels and reduce the accidents caused by rough weather and sea conditions and the unnecessary insurance.

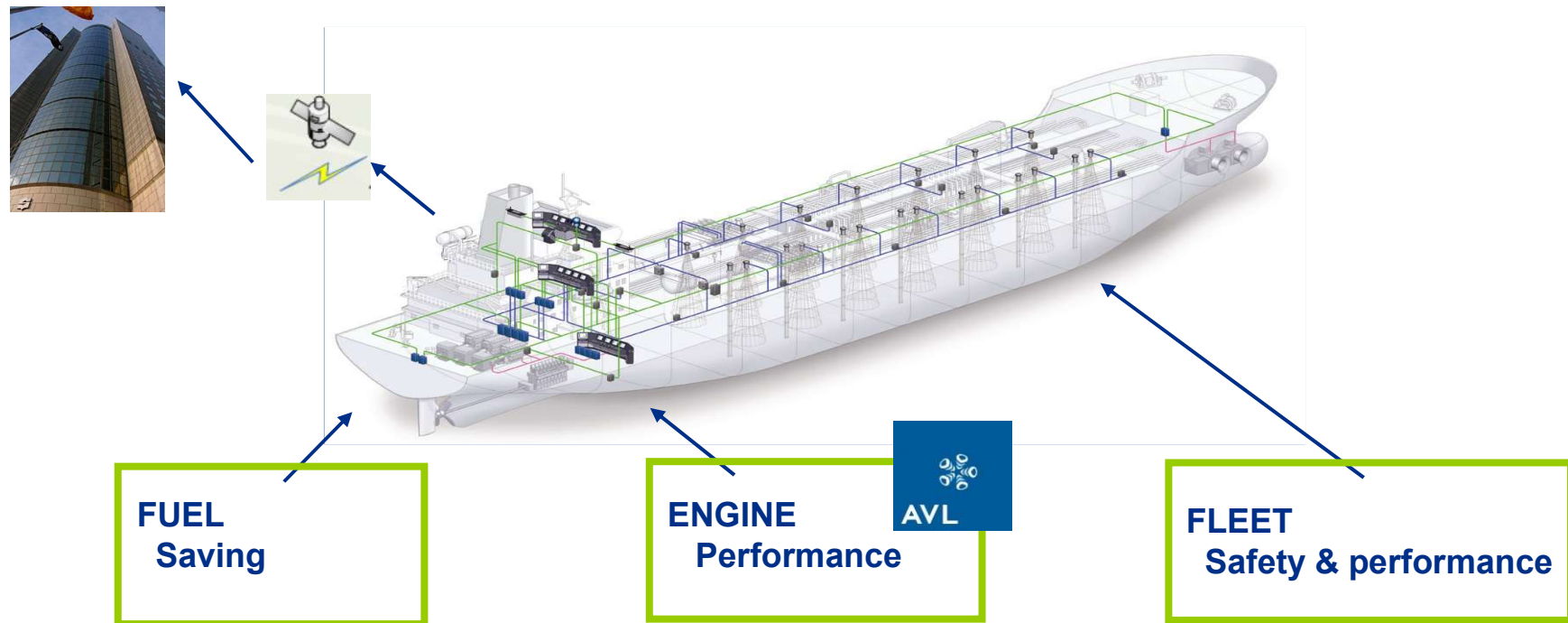
**2019 / 2**



Long-term Vision **Short-term Focus**

# 船舶大數據與船聯網 (Internet of Ship, IoS)

The gateway to bridge “Ship Operation Technology” and “Company Management Technology”

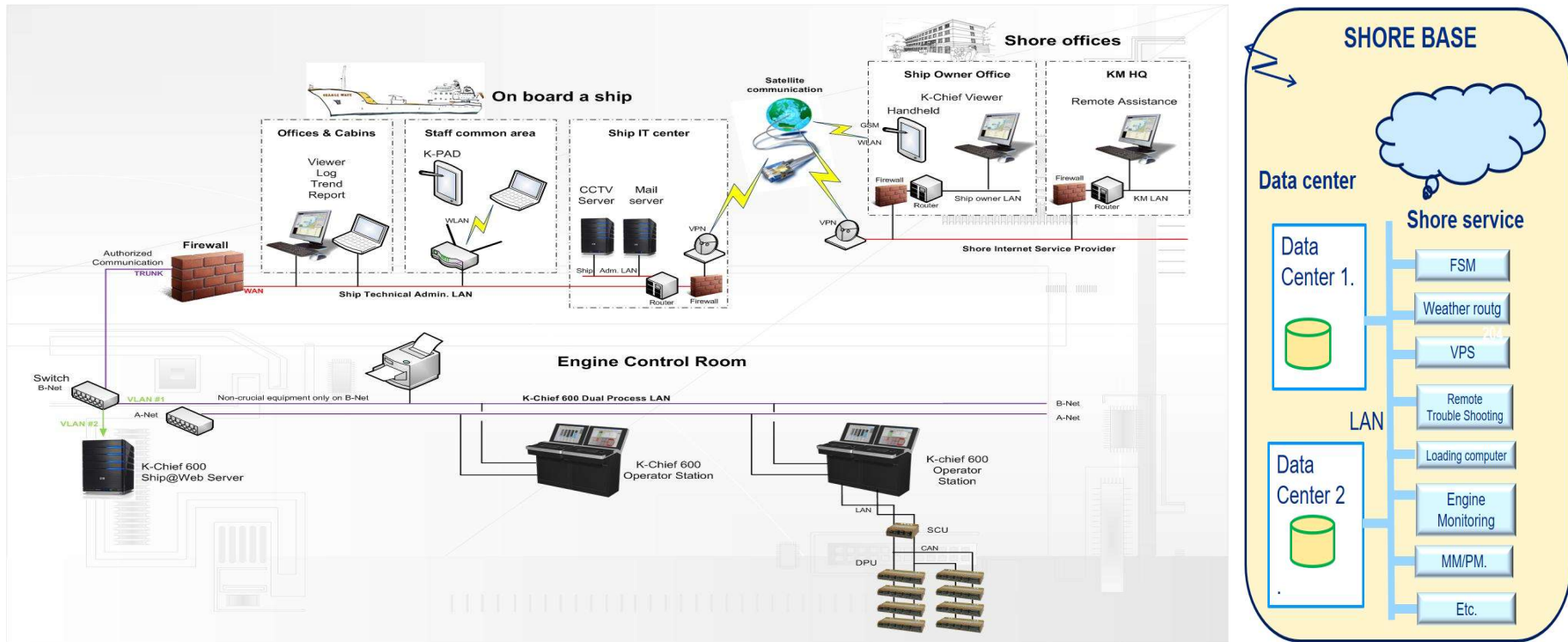


Source: Kongsberg & U-Ming



# 裕民 325K 超大型礦砂船 – M2M+IoS+智能船實例

## M2M and Smart Ship application on our 325K VLOC

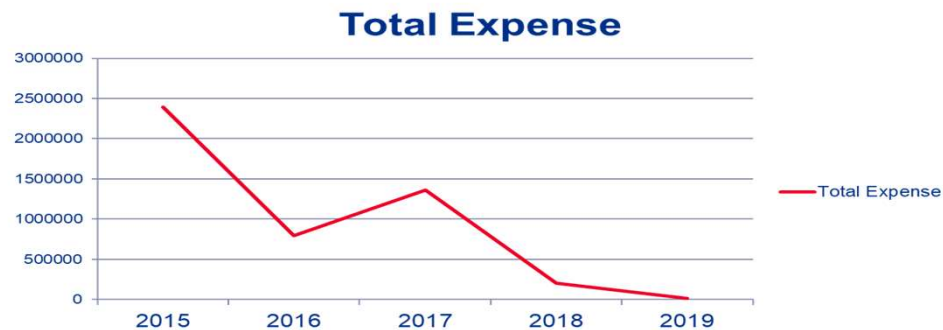


Source: Kongsberg & U-Ming

# Digitalization Benefit Analysis

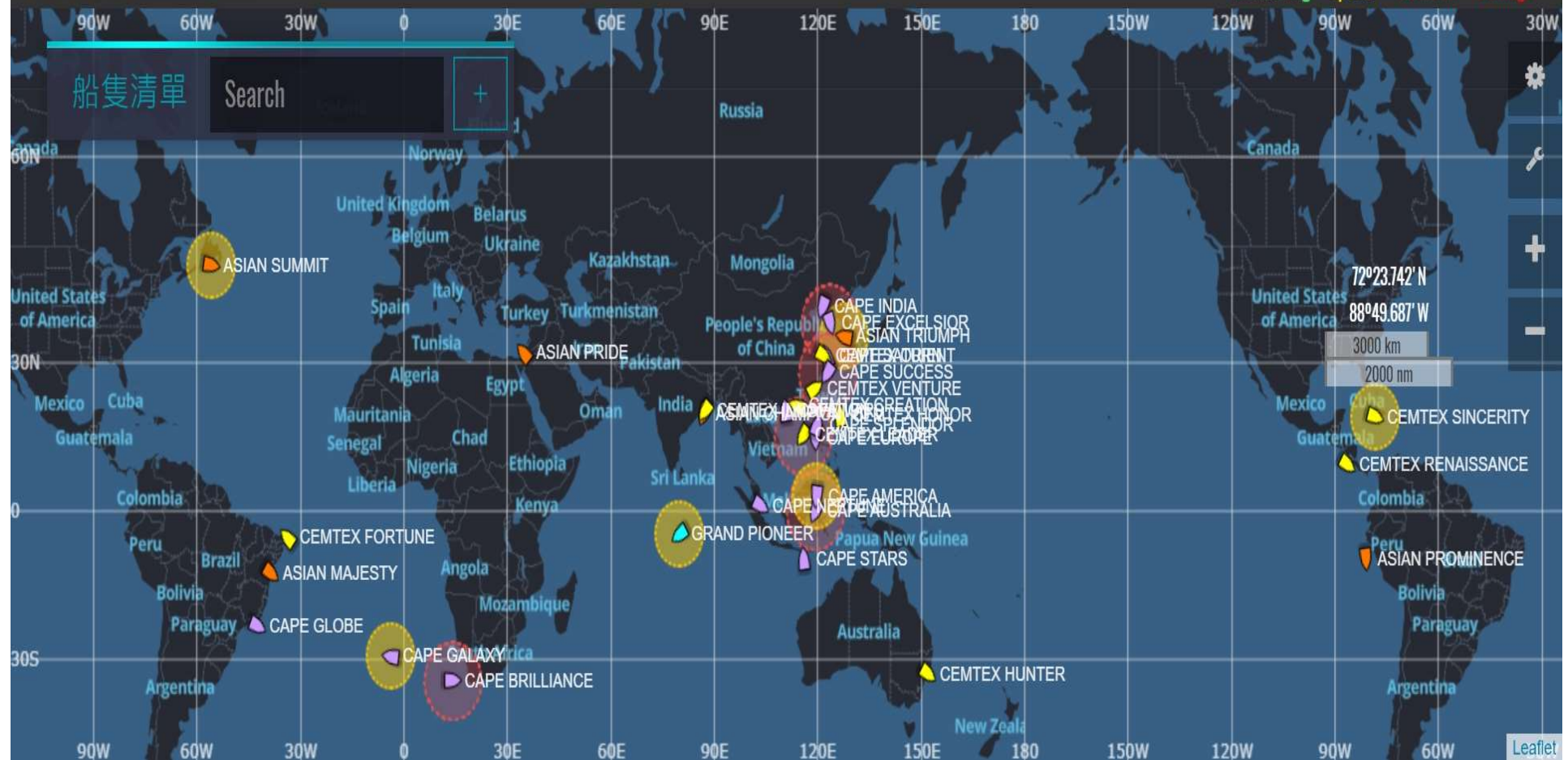
## 2015-2019 Expense for Fleet Incidents

Case Type\ Year	2015	2016	2017	2018	2019
Vessel Damage	2	5	1	2	1
Collision Case	2	1	0	0	0
Crew Casualty/Missing	2	1	0	0	1
Crew Injury	12	16	3	6	8
Others	0	0	0	1	0
<b>Total Expense (USD)</b>	<b>2,396,691</b>	<b>791,117</b>	<b>1,362,998</b>	<b>202,828</b>	<b>10,183</b>



**WARNING!**

Monitoring 6 Speed 9 Collision 2 Damage 3



# Thank you for your attention.



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AND THE ENVIRONMENT.

 FAR EASTERN GROUP



**裕民航運股份有限公司**  
U-MING MARINE TRANSPORT CORP.