

*Contributions in the past and possible collaborations
in the future for the safety of Malacca & Singapore Straits*

Mitsuyuki UNNO
Executive Director
The Nippon Foundation



I shall be talking about...

- ▶ Background of the Nippon Foundation & contributions we have made
- ▶ Innovative cooperative platform under the Cooperative Mechanism
- ▶ Possible future collaborations in the new technology era

The Nippon Foundation



- Established in 1962
- Independent, non-governmental, grant-making foundation
- Originally set-up to rebuild shipbuilding industry and social welfare sector
- Our funding resources come from motorboat racing, bequests, as well as contributions from enterprises & governments
- Grant 470 million US dollars annually

Human Capacity Building Programs & programs for Global Ocean issues

- ▶ More than 1,200 NF fellows in 140 countries



- ▶ Global projects such as NF- GEBCO Seabed 2030



Projects for the Safety of the Navigation in the Straits

Historical background of the project

1968 - President Suharto, Republic of Indonesia met the Chairman of the Nippon Foundation and requested financial contributions to the Straits



1969 - Establishment of “Malacca Straits Council”

⇒Founded by the Nippon Foundation

- ***Initiated Hydrographic Survey and Production of Navigational Charts, Clearance of Navigable Channels and Installation/Replacement/Maintenance of Navigational Aids***

For over 40 years, the NF has been making contributions to improve navigational safety in the Straits

One of many support measures undertaken by the Nippon Foundation

The Nippon Foundation donated PEDOMAN, a 900 GRT buoy tender vessel, to the Malaysian government in 2001 and JADAYAT of 860 GRT to the Indonesian government in 2002. Both are in use for the replacement and maintenance of aids to navigation in the Straits .



Financial Contributions from The Nippon Foundation: US \$158 million in total

<i>1. Installation/Replacement/Maintenance of Navigational Aids since 1968</i>	<i>\$31.2</i>
<i>2. Construction of Buoy Tender ships, Training ship (2001 and 2002)</i>	<i>\$28.6</i>
<i>3. Clearance of Navigable Channels (1979)</i>	<i>\$17.0</i>
<i>4. Hydrographic Survey and Production of Navigational Charts (1968 - 1982)</i>	<i>\$18.4</i>
<i>5. OSPAR Projects (1993 and 1994)</i>	<i>\$ 8.1</i>
<i>6. Meeting of Heads of Asian Coast Guards, etc.</i>	<i>\$ 5.1</i>
<i>7. Others (Nippon Maritime Center, etc)</i>	<i>\$49.6</i>

Total

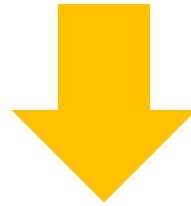
\$158

(US\$ millions)

2. Cooperation under Cooperative Mechanism

Establishment of an innovative cooperative framework

Intensive efforts by the Littoral States



“Cooperative Mechanism”

Process: littoral States and IMO meetings in Jakarta (2005),
Kuala Lumpur (2006), Singapore (2007)

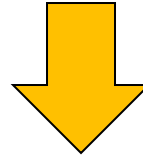
Objective: promote dialogue and facilitate a close cooperation between
the littoral States, user States and other stakeholders

Scope: safety of navigation and environmental protection

2. Cooperation under Cooperative Mechanism

Aids to Navigation Fund

- A vital component in ensuring the safety of ships
- International cooperation is required



To receive direct financial contribution from user States and other stakeholders for the provision and maintenance of aids to navigation in the Straits (on a voluntary basis)

First ANF meeting held on 16th April, 2008 with full cooperation of the NF committing one third of the total cost for the first five years



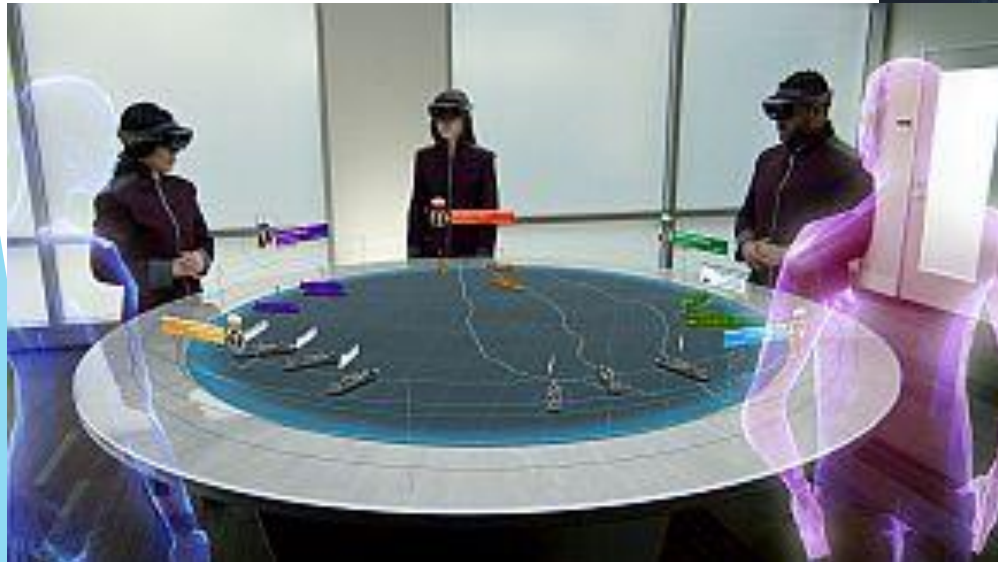
Aids to Navigation Fund

List of Stakeholders

2008-2018

	Financial Contribution (Million USD)	Percentage (%)
The Nippon Foundation	7.3	34.72%
IFAN (MENAS)	6.0	28.54%
Malacca Strait Council	3.1	14.74%
UAE	1.1	5.23%
China	1.9	9.03%
South Korea	0.8	3.80%
I M O	0.5	2.37%
Saudi Arabia	0.1	0.47%
India	0.13	0.61%
Witherby Publishing Group	0.09	0.42%
Total Contributions	21.02	100%

3. Possible future collaborations



3D Printing



Industrial Robots



Drones



Solar



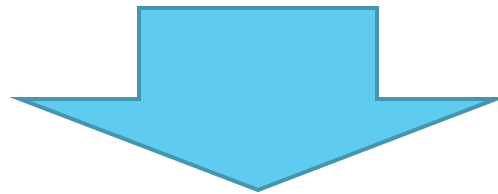
Sensors





- ▶ Bigger fleets but with smaller ships
- ▶ Seafarer recruiting & management system
- ▶ Ship management maintenance shifts
- ▶ Redefine ship design and construction
- ▶ Hyperconnected ports with other intelligence systems

Collaboration is key to harnessing
the positive impact of technology
advancement



**Cooperative
Mechanism**

Thank you for your
kind patience ! !

