



**Maritime Cloud
Development Forum**

The benefits of the Maritime Cloud

From the perspective of potential users

01-02-2017

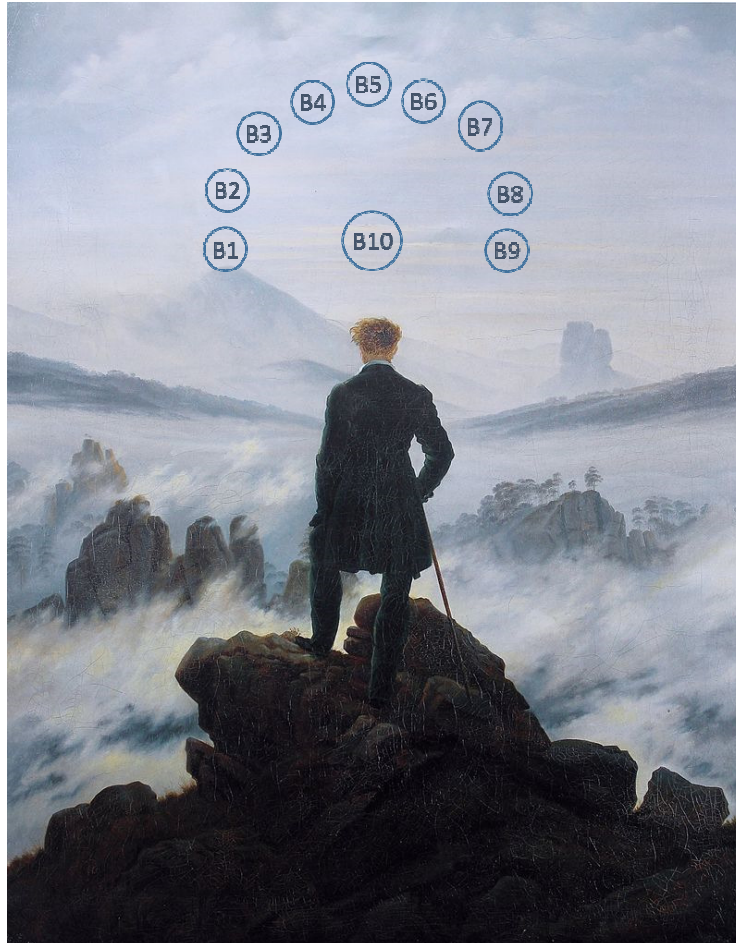
Jin Hyoung PARK, Ph.D, SMART-Navigation Project Office



Benefits*

- Something that is advantageous or good; an advantage
- A payment or gift, as one made to help someone or given by an employer, an insurance company, or a public agency
- ~~• A theatrical performance or other public entertainment to raise money for a charitable organization or cause~~

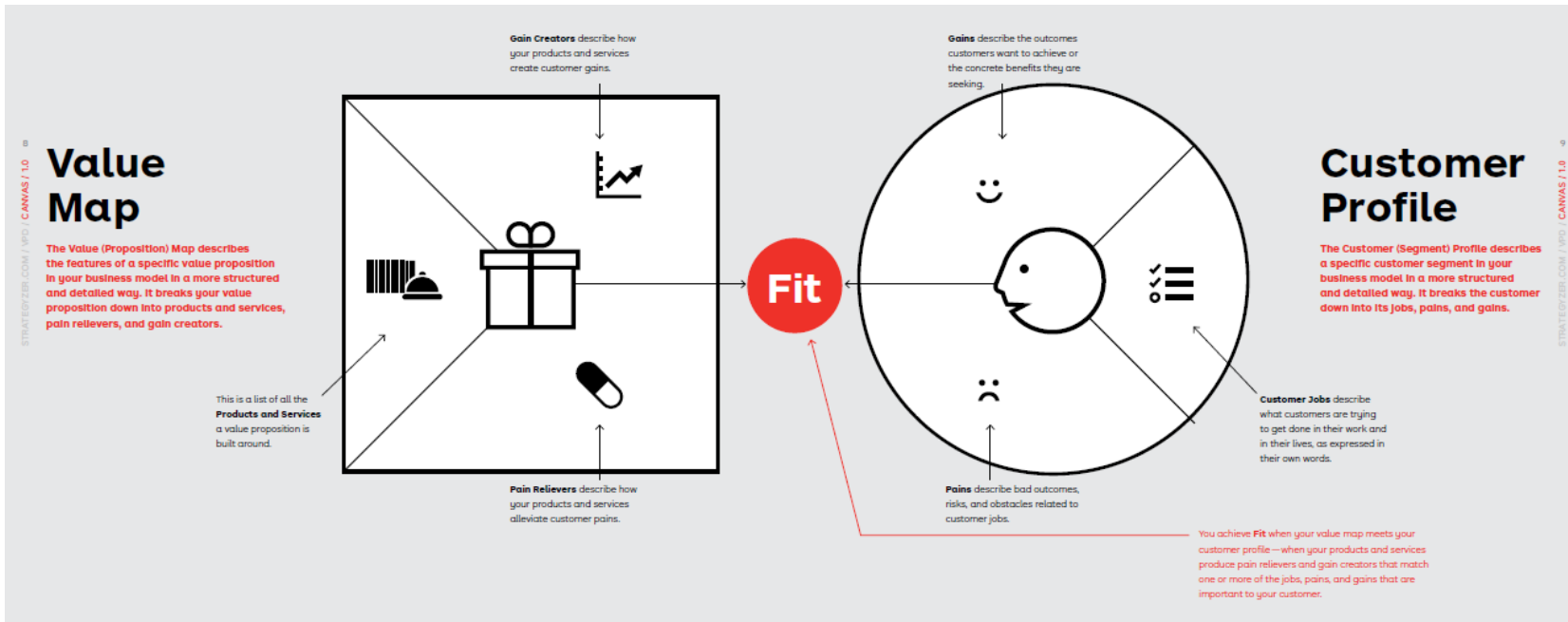
*<http://www.dictionary.com>



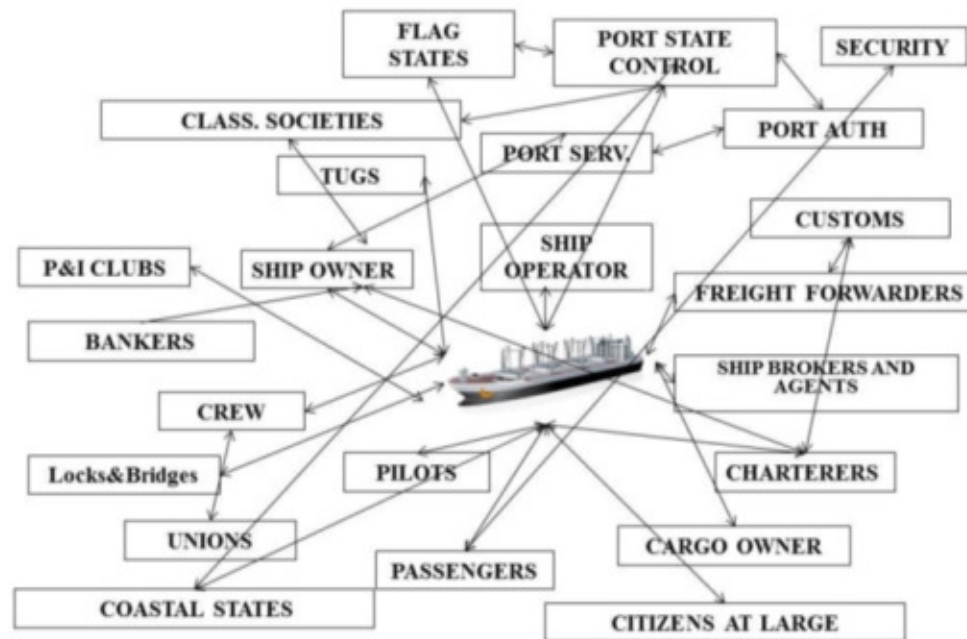
“Wanderer above the Sea of Fog” by C. D. Friedrich, 1818



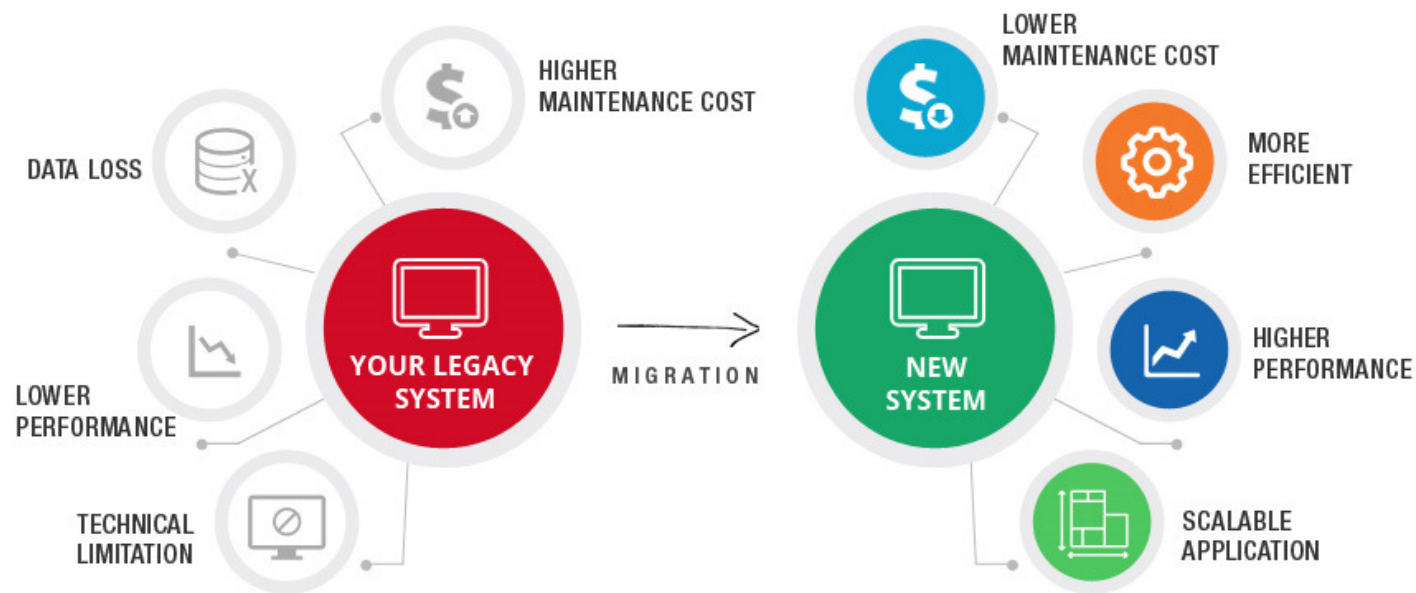
<http://www.unp.me/f44/the-modern-version-of-old-paintings-236816/>



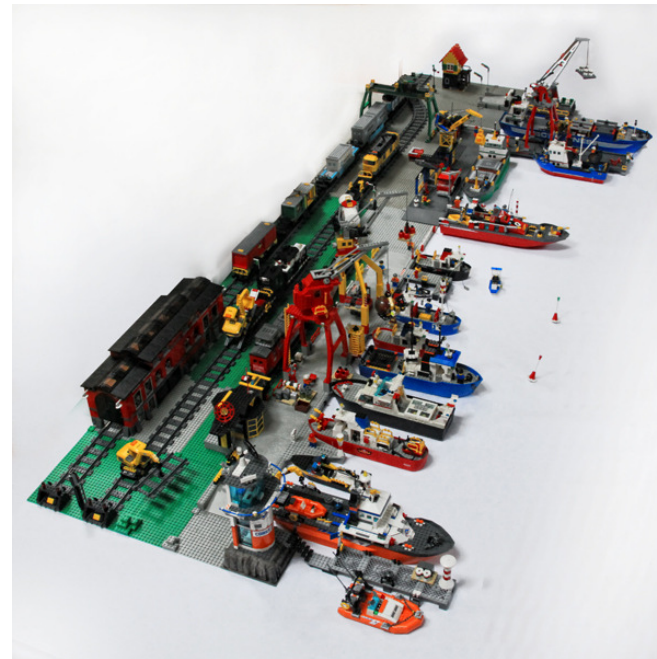
Participants of maritime industry



B1. Full use of legacy services and systems



B2. Easy implementation of e-Nav. services



B3. One-point access for all users



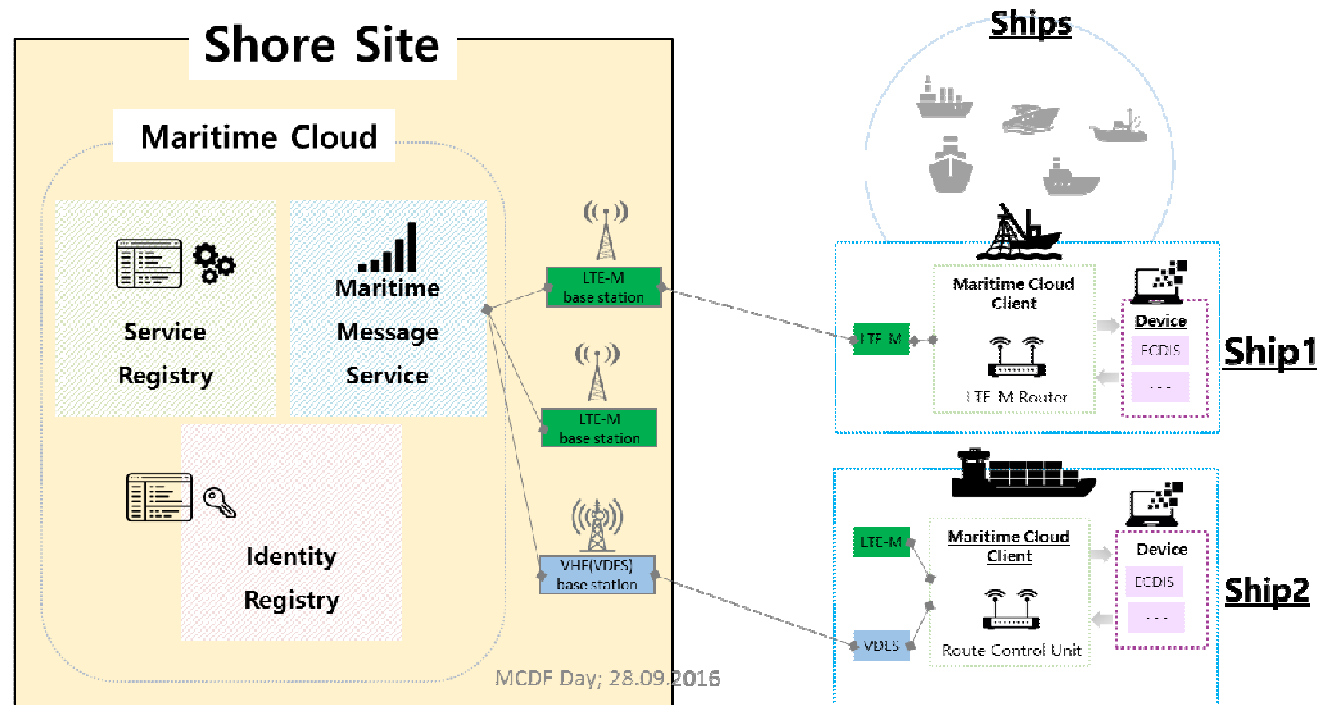
B4. Inter-operability between services

“Interoperability is a characteristic of a product or system, whose interfaces are completely understood, to work with other products or systems, present or future, in either implementation or access, without any restrictions”

<http://wikipedia.org>



B5. Inter-connections btwn physical links



B6. Less communication load (=cost)



B7. No need for new communication link



B8. Security (on low cost)



B9. Standards to make it work for everyone



Mariners

Same services
on all ships and
seas



Easier, cheaper
and entirely
new and
complex
services



Service providers



Ship owners

Easier and
cheaper
implementation
of services

Equipment with
full coverage of
services



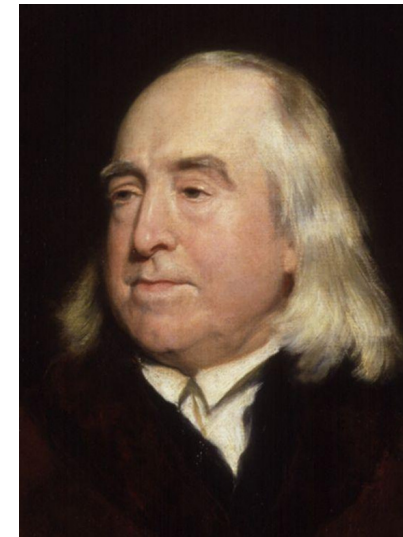
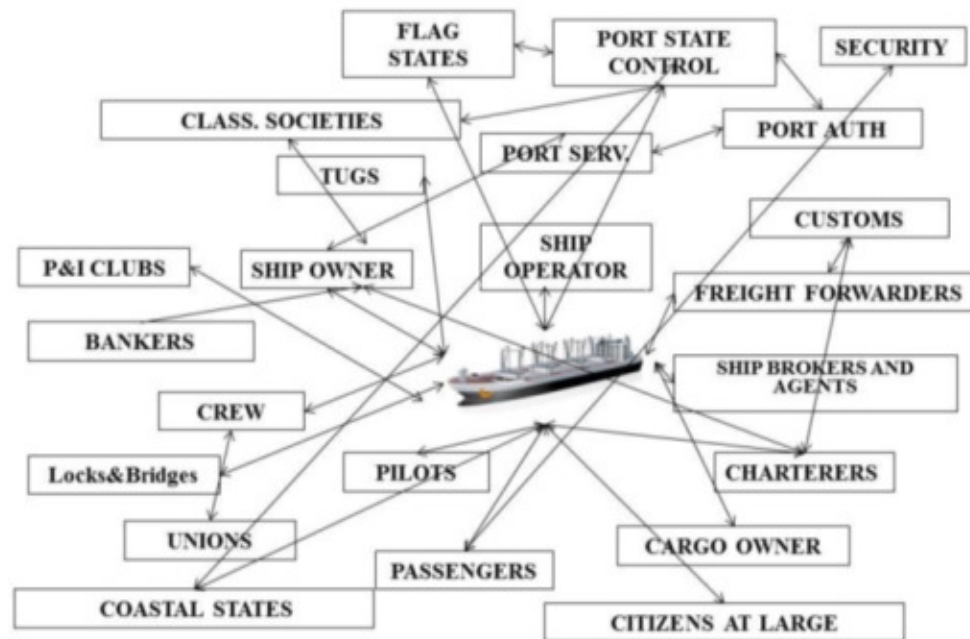
Equipm. manufacturers

B10. Better connections for e-Navigation

- Exchange = Sharing = Connecting
 - Getting connected
 - Wider Connection, Safer Navigation
 - Need to Know → Need to Share

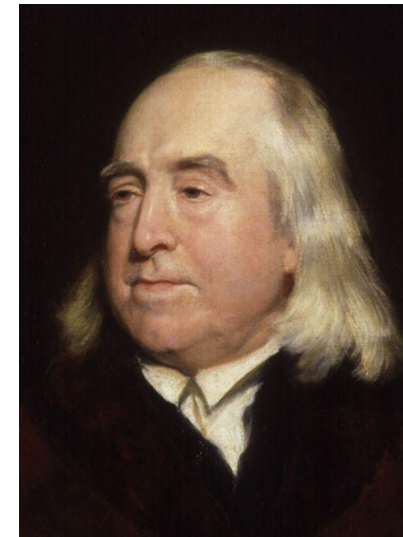
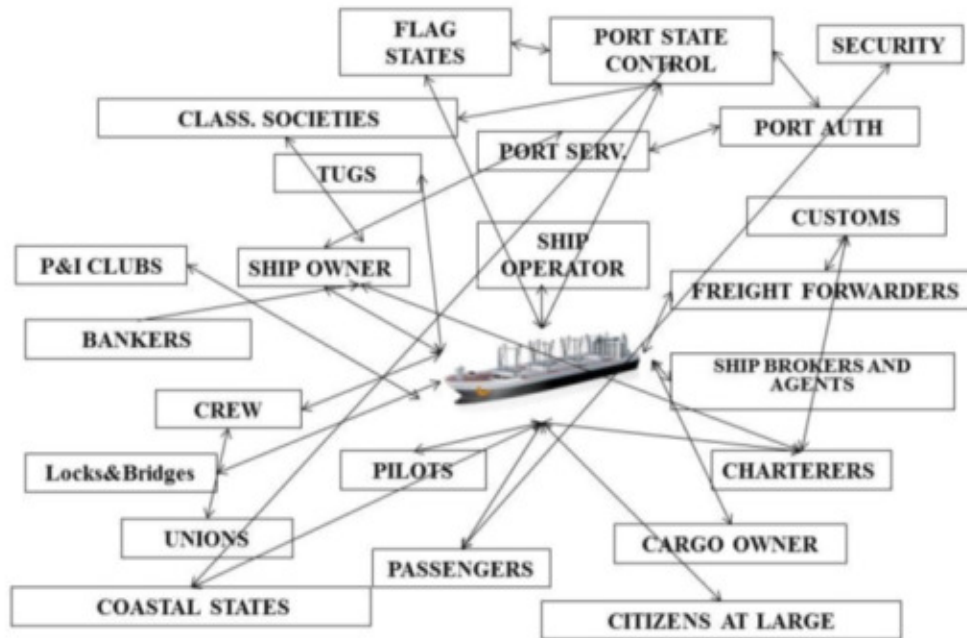


“The greatest connections of the greatest number”



Jeremy Bentham (1748-1832)

“The greatest happiness of the greatest number”



Jeremy Bentham (1748-1832)

Thank you for your attention!

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