e-SHIPPING

the digital transformation of shipping

By Mr. Dimitris Theodosiou
INFORMATION TECHNOLOGY NOWADAYS

automated processes
linked vessels with the office
enabled e-communication (e-mails)
THE SHIPPING INDUSTRY

1. Cut down costs
2. Improve Team Competence
3. Establish corporate infrastructure

Fact:
IT is considered the key tool to achieve the above

Result:
Replacement of not performing IT systems
WHAT IS NEW?

1. mobile devices
2. better ship to shore communication
3. internet of things & fog computing
4. big data analytics
5. a groundbreaking new circuit: memristor
Danaos Strategy

Integration

Collaboration
Integration  |  Collaboration  |  Analytics

Share Corporate Information  
Exchange data  
Under your full control  
Without storing information on the cloud

1. Authorities,  
2. Suppliers,  
3. Auditors,  
4. Brokers,  
5. Consultants,  
6. Charterers,  
7. Partners etc.

Any System  
They use

Management Consultants S.A.
Collaboration
Integration
Analytics

DANAOS WAVES
fleet performance
streaming big data analytics

DANAOS
Business Analytics
• DanaosONE™ native drivers for any mobile device
• Make any process rendered on danaosONE mobile
• Fully User defined
SaS model in place
The PRIVATE cloud experience by Vodafone and DANAOS

- Security
- Certifications
- Global presence
- Total service SLA
Make the vessel part of the corporate network

Replacing synchronization with web services

Empower ‘smart ship’ solutions
Design your own menus
User defined dashboards
Electronic drawings
Professional shipping services are now available on DanaosONE. Shipping content and data bases are ready for you to capitalize.
e-compliance: Statutory compliance

Alerts the officer for pending actions. User reacts on Alerts in one single screen

Produces the forms to be submitted (Submitted forms are filled).
The key challenges have been always the same!

When to buy or sell - The people - The System
Technology will definitely improve
Performance, Efficiency, Quality, Safety, Environment, etc.
Support lean and sustainable shipping operations
integrated in modern supply chains
e-shipping

the digital transformation of shipping

Thank you for your attention....!

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Shipping is all about decision making….

Big data analytics will definitely improve **Performance, Efficiency, Quality, Safety, Environment, etc.**
Support lean and sustainable shipping operations integrated in modern supply chains
Reasons preventing companies capitalizing on ‘Big Data’!

1. **Technological**
   - Getting business units to share information across organisational silos

2. **Technological**
   - Being able to handle the large volume, velocity and variety of Big Data

3. **Cultural**
   - Determining what data (both structured and unstructured, and internal and external) to use for different business decisions

4. **Cultural**
   - Building high levels of trust between the data scientists who present insights on Big Data and the functional managers

5. **Cultural**
   - Finding and hiring data scientists who can manage large amounts of structured and unstructured data, and create insights

6. **Cultural**
   - Getting top management in the company to approve investments in Big Data and its related investments (e.g., training)

7. **Technological**
   - Putting our analysis of Big Data in a presentable form for making decisions (e.g., visualization/visual models)

8. **Cultural**
   - Finding the optimal way to organize Big Data activities in our company

9. **Cultural**
   - Understanding where in the company we should focus our Big Data investments

10. **Cultural**
    - Determining what to do with the insights that are created from Big Data

TATA Consulting