



danans®

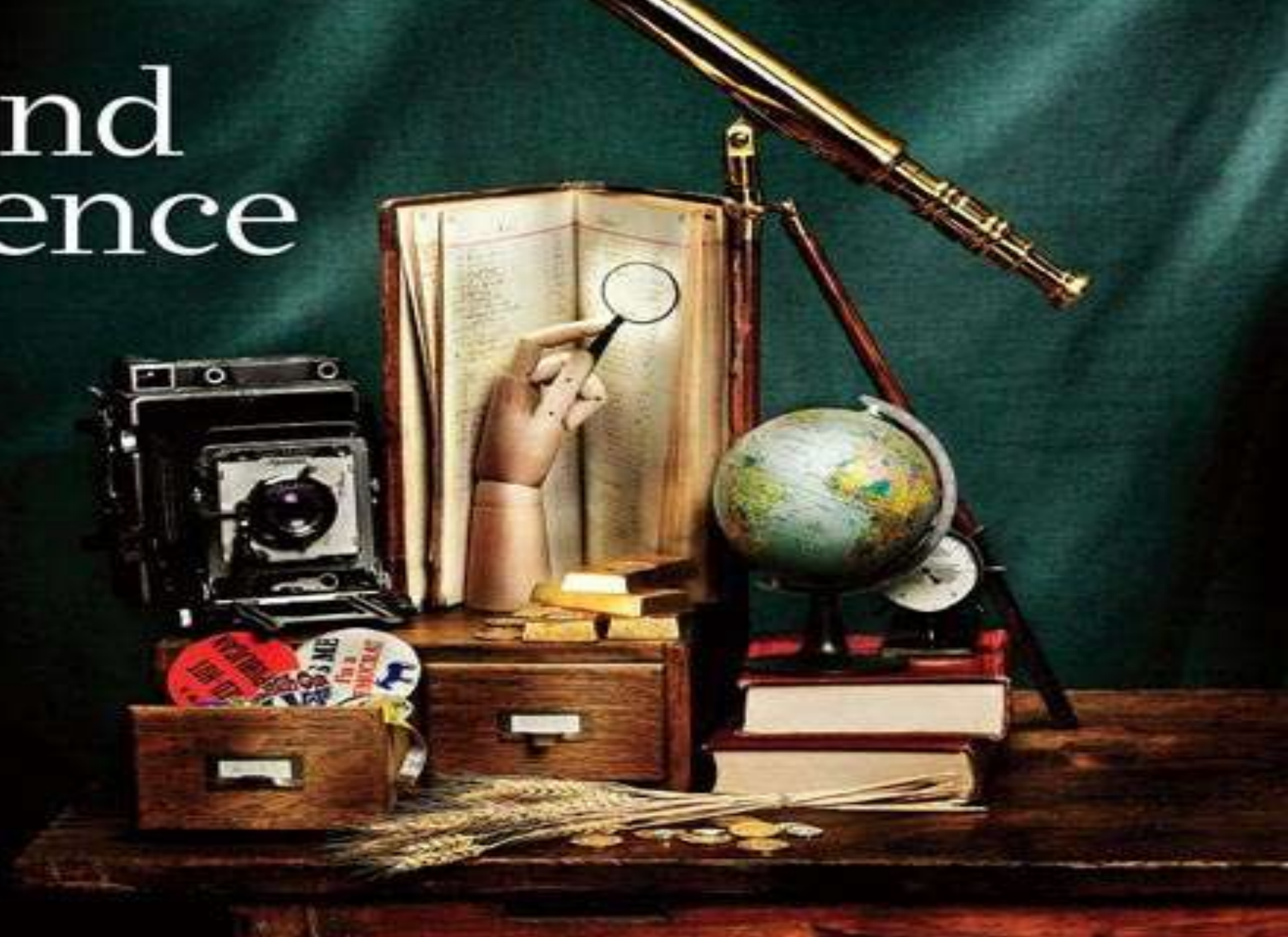
**360°
VISION**

Digital Ship

Big Data KPI-Based Ship Management Practices

The End of Science

The quest for knowledge used to begin with grand theories. Now it begins with massive amounts of data. Welcome to the Petabyte Age.



Big Data analytics is considered a necessity nowadays !!!

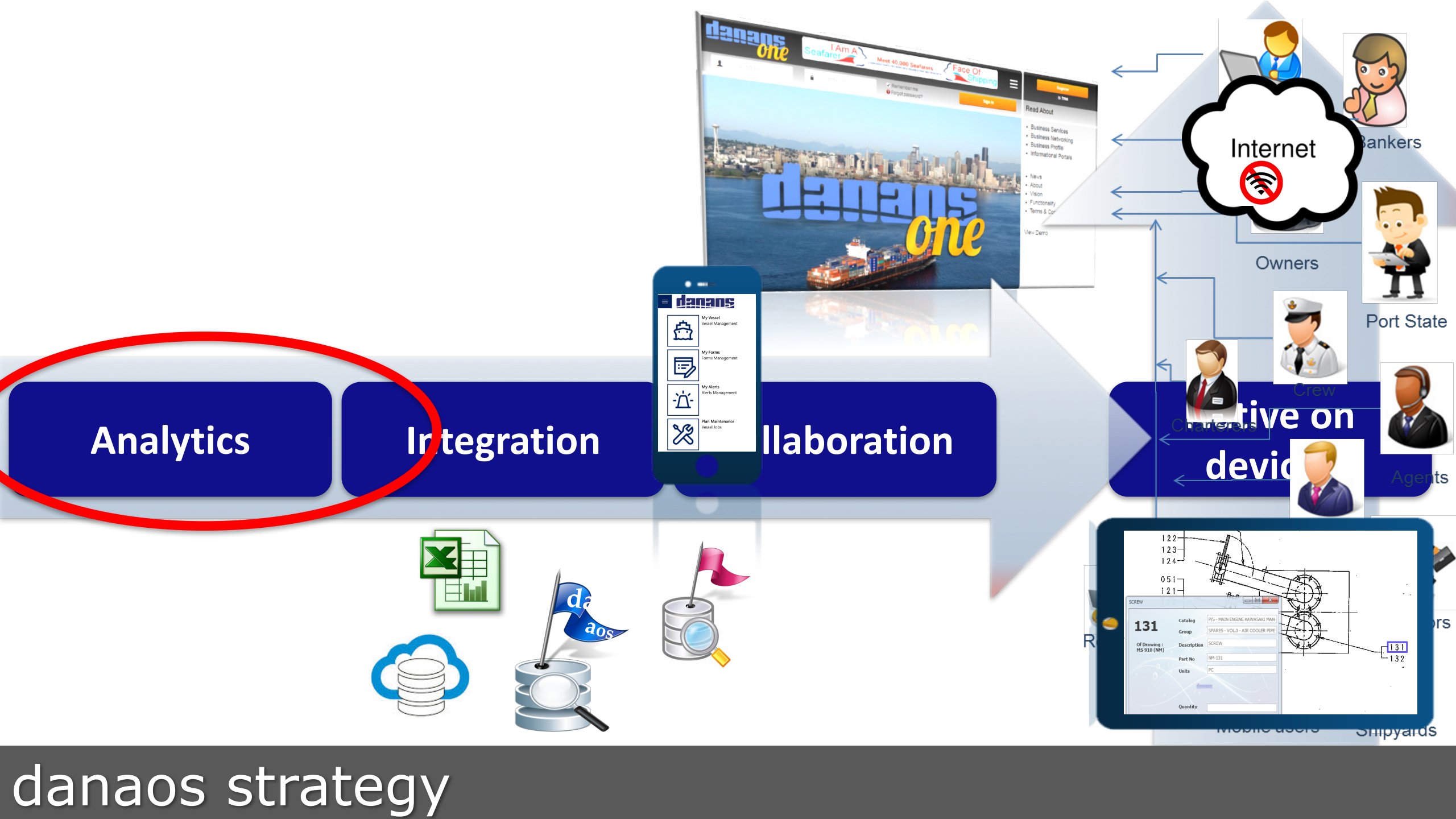
*- Information has always been an asset
like labor, capital and materials !*

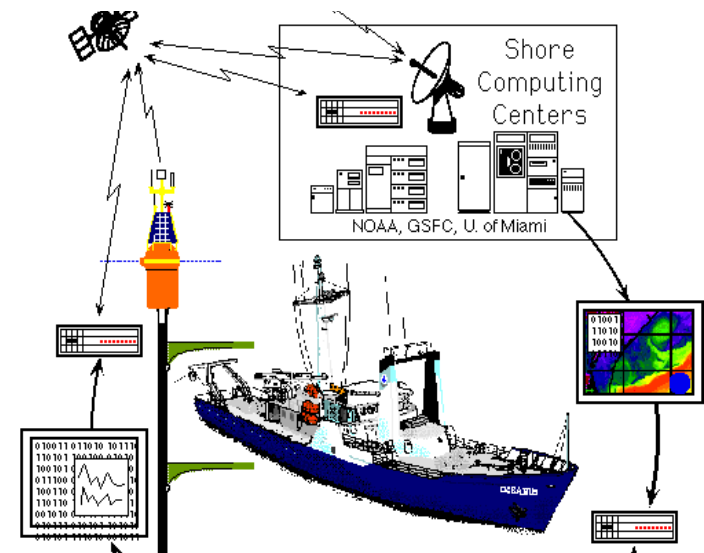


*- And shipping has always been the same:
A decision making exercise!*

*- Technology is offering now new tools to analyze
data to conclude Information!*

Big Data analytics is considered a necessity nowadays !!!

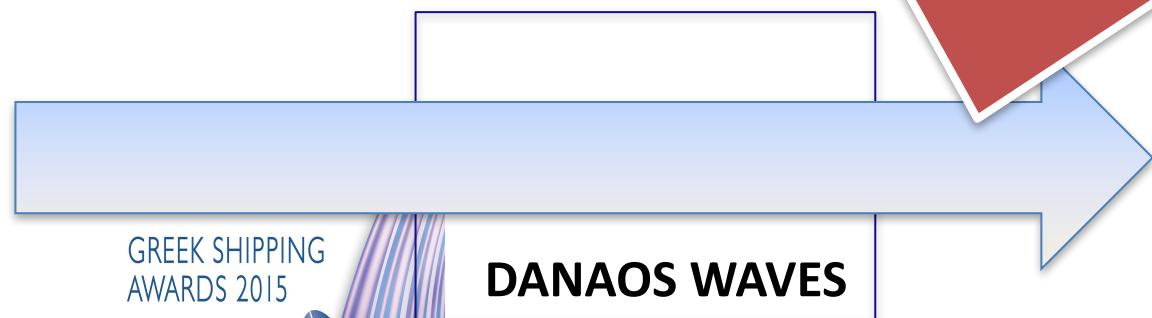
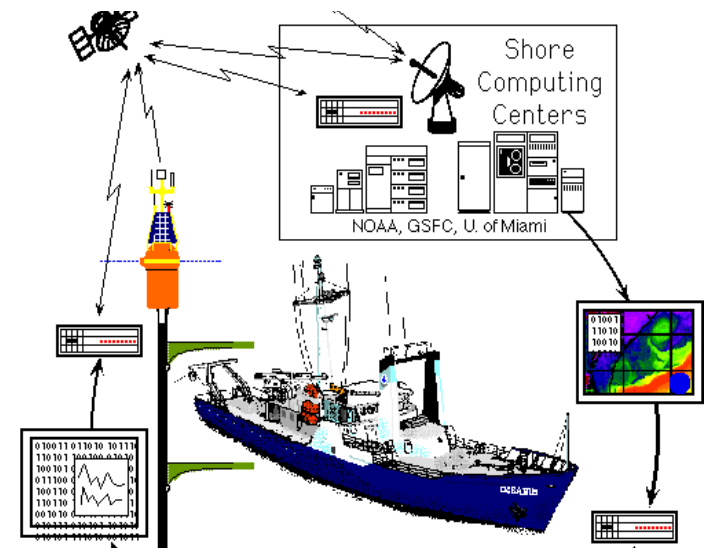




DANAOS
Business Analytics



Data Warehousing concept



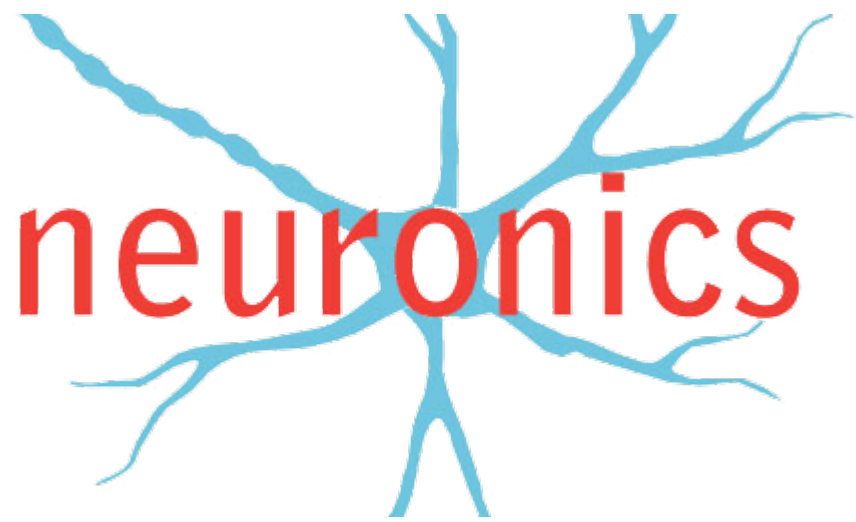
GREEK SHIPPING
AWARDS 2015

*Awards Ceremony
& Gala Dinner*

Friday 4 December 2015
Athenaeum InterContinental, Athens



Streaming analytics concept

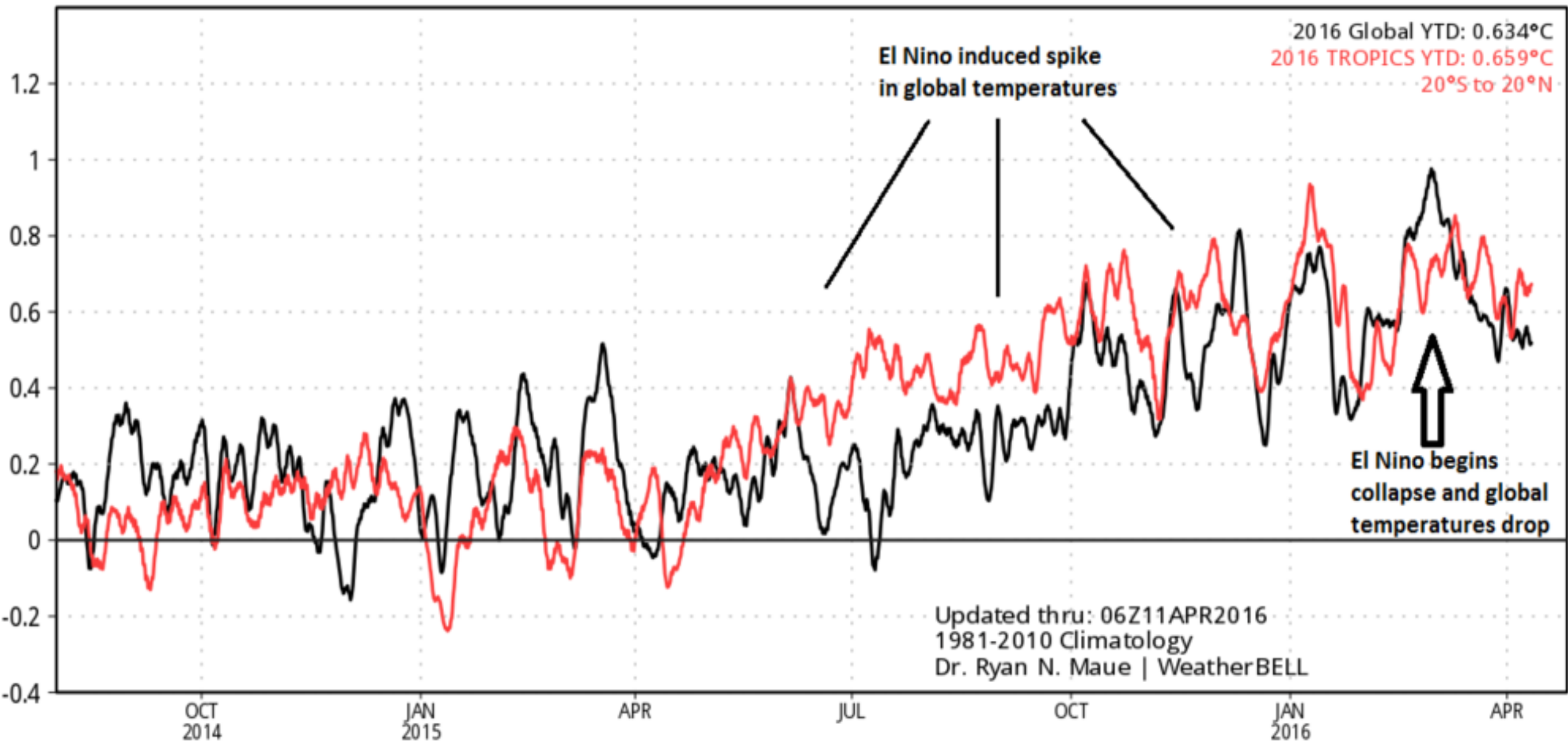


Insights
Behavior models
Predictions and forecasts
Benchmarking
Etc.

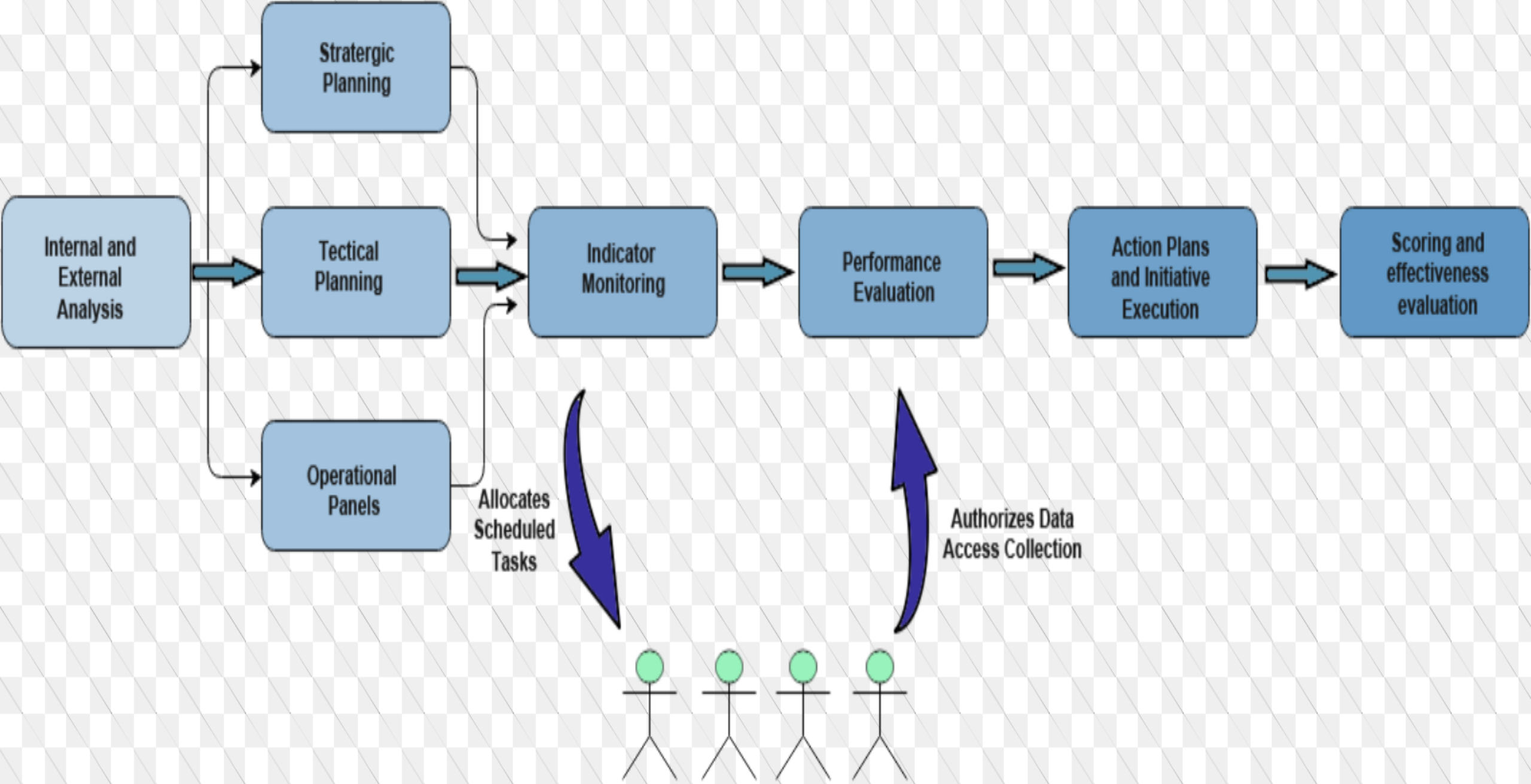


Advanced analysis techniques

NCEP CFSR | CDAS Global 2-meter Temperature Anomaly [$^{\circ}\text{C}$]



Will 'Big Data' become part of our everyday work?



Yes if analysis results trigger work flows.

ControlForm9b4cc263-f64e-45df-a3b1-42b05bd114...

FILE HOME INSERT PAGE L FORMU DATA REVIEW VIEW ADD-IN TEAM Stamatios...

A1 : X ✓ fx Control Form [02/01/2016 12:00:00 - 03/01/2016]

1 Control Form [02/01/2016 12:00:00 - 03/01/2016 12:00:00]

2

3

4 CMA CGM MOLIERE

5

6 Telegram

7 WARNING: Trim (-1.04m) > +-1 on 02/01/2016 14:00:00's telegram (----)!

8

9 Steam Management

10 INFO: Number of boiler start/stops = 0, Total boiler operation time = 0.0h!

11

12 pMatrix

13 Operational statistics: Normal - 15.6%, Heavy - 0.0%!

14 ALERT: dSlip < 0 in the 83.5051546391753% (normal < 10%) of the examined samples!

15

16 Sludge management

17 ALERT: Low performance of sludge pump!

18

19

20 CMA CGM MUSSET

21

22 Telegram

Control Form

READY

SFIRIS KOSTAS
ADMINISTRATION
GALANDOU KATERINA
KYDAMARIOILOTINI

12May16 17:22 SYSTEM

12May16 17:07 SYSTEM

You have an Interoffice Memo from TSIONA GE...
Subject: MITSUI SERVICE LETTERS

You have an Interoffice Memo from TSIONA GE...
Subject: MITSUBISHI SERVICE LETTERS (2-ST...

Search for a menu option...

Date Filter: None... Type: [icon]

Message Application

Interoffice Memo from KALERGIS TASOS Water Management Plan (BWMP) extension	INFOGATE
Interoffice Memo from Kalergis Tasos	INFOGATE
Interoffice Memo from POLITI EVI DD dates	INFOGATE
Interoffice Memo from KASTRISIOU NIKOLETA	INFOGATE
Interoffice Memo from Defigos Angelos	INFOGATE
Interoffice Memo from PAPADOGEORGAKI OLGA A ΠΟΛΛΑ!	INFOGATE
Interoffice Memo from PASTRA GEORGIA DS ΕΒΔΟΜΑΔΙΑΙΟ ΜΕΝΟΥ	INFOGATE
Interoffice Memo from POLITI EVI s routines	INFOGATE
Interoffice Memo from TSIONA GEORGIA CE ENGINEERS TEAM DD 13/5/2016	INFOGATE
Interoffice Memo from FACLARI CHARA Masters and Senior Officers serving on board s &	INFOGATE
Interoffice Memo from NTAGIAGIA ELS MOVEMENTS	
Dimitris wants you to be INFORM	
Interoffice Memo from TSIONA GE AR SERVICE LETTERS (ALL TY	
Interoffice Memo from TSIONA GE SILA SERVICE LETTERS (2-STF	

Notice!

You have...

(176) Unread Alerts and
(199) Undone Alerts

.....in your alert box

Danaos Enterprise

Windows taskbar: Danaos..., Settings, Danaos..., ENG, 2:59 μμ

Instead of reading graphs danaosWaves reports the conclusions!

danang

KPI Dashboard

KPI Folders

- ▶ Financial
- ▶ HSQE
- ▶ Line Management
- ▶ Personal Alerts
- ▼ TECHNICAL
 - ▶ PMS Non Critical Equipment 20 days Overdue
 - ▶ Recommendations Overdue
 - ▶ Surveys Overdue CMS
 - ▶ Surveys 4 months before anniversary
 - ▶ Critical Spare Part ROB less than MIN QTY
 - ▶ Number Of Vessel Defects
 - ▶ Liner Ovality Measurement MR 567
 - ▶ ...
- ▼ TMSA
 - ▶ 01 Management, Leadership & Accountability
 - ▶ 02 Recruitment & Management of Shore Based Personnel
 - ▶ 03 Recruitment & Management of Ship's Personnel
 - ▶ 04 Reliability & Maintenance Standards
 - ▶ 05 Navigational Safety
 - ▶ 06 Cargo, Ballast and Mooring Operations
 - ▶ 07 Management of Change
 - ▶ 08 Incident Investigation and Analysis
 - ▶ 09 Safety Management
 - ▶ 10 Environmental Management
 - ▶ 11 Emergency Preparedness and Contingency Planning
 - ▶ 12 Measurement, Analysis and Improvement

Rules Diagram

Rule Name: | Ovality above limit

IF Output of KPI is	>	700
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Notify Role: **Technical Manager

☒ Audit

Application: F-Wizard



"Over the years, DANAOS software has been an invaluable tool for the full spectrum of our everyday operations, bringing the necessary insights and assisting us in the decision-making process. DANAOS is our trusted partner towards our digital transformation journey"

Mr. Stefanos Koropoulis
ASTRA SHIPMANAGEMENT INC

www.danaos.gr

Software is our specialty and our passion, since 1986!



Thank you !