

TOPIC :SMART PORT BUILDING EFFICIENCY FOR HIGHER PERFORMANCE

15th INTERMODAL AFRICA 2016

EXHIBITION AND CONFERENCE

VENUE: MOVENPIC HOTEL.

DATE : 7TH – 8TH APRIL 2016.



CONTENT

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Q : WHAT EXACTLY IS A SMART PORT

- **“THE PRINCIPLE OF THE SMART PORTS CONCEPT IS QUITE SIMPLE:**
- **A : SMART PORT REFERS TO, MAKING THE BEST USE OF LIMITED RESOURCES BY INTRODUCING A CONTROL UNIT THAT OPTIMISES TODAY’S HANDLING PROCESSES OF CARRIERS ON LAND AND SEA”**
(STREETS, WATERWAYS AND RAILWAYS) BY BERND APPEL
- **A : INTELLIGENT MANAGEMENT TO ENSURE EFFICIENCY AT THE PORTS**
- **A : TO ACHIEVE EFFICIENCY, PORTS NEED TO INVEST IN DIGITISATION AND AUTOMATION**

CHALLENGES THAT INHIBIT SMART PORT

- **Continued Increase in Port and Shipping Cost**
- **Limited use of Technology in Port Business**
- **Threats of Global Terrorism**
- **High Dependency on intermodal Transport Systems**
- **Bureaucratic processes in Port Operations.**

HAMBURG CHALLENGE (GPHA PERSPECTIVE)

- **THE AUTHORITY FACE TWO(2) MAJOR CHALLENGES**
- **THE CLOSE VICINITY OF THE PORT TO RESIDENTIAL AREAS**
- **HIGH VOLUMES OF THROUGHPUT**
- **THE NEED TO USE INFRASTRUCTURE FACILITIES INTELLIGENTLY AND EFFICIENTLY AS SPACE IS LIMITED**
- **I.T – SUCH AS INTERNET, BLUETOOTH, WI-FI, THE CLOUD AND MOBILE END DEVICES PLAY KEY ROLES IN THE IMPLEMENTATION OF A SMART PORT**

‘ THINK BIG, START SMALL ’

- **THE SMART PORT CONCEPT DOES NOT NEED TO BE IMPLEMENTED ALL AT ONCE- REDSEA- TABLETS FOR TALLYS / GPHA E-PORT CONCEPTS**
- **YOU NEED TO MAKE THE FIRST MOVE, WITH PROJECTS TO OPTIMISE LOGISTICS PROCESSES OR ENERGY SUPPLY**
- **THERE ARE ECONOMIC AND ECOLOGICAL BENEFITS IN EVERY STEP OF THE WAY**

THE BENEFITS OF SMART PORT

- Generate collective interest in African States as global partners leads to expand trade amongst Member States – Trade Facilitation
- Green Policies – Environmental Challenges- ISO 14001-2008(The 7 Friends) **Air water, Land, Natural Resources , Flora , Fauna and Human beings.**
- Smart Port Promotes the Deployment of larger vessels.
- Fifteen (15) landlocked countries in Africa, Smart Port enhances Connectivity of Services Amongst Member States
- International Recognition – Redsea / GPHA was recognized by an international Award for high performance and Best Practice Initiatives- UK



LOOK BEYOND THE GATE OF SMART PORT (CONTINUOUS IMPROVEMENT)

- BEING SMART PORT SHOULD EXTEND FAR BEYOND THE PORT GATES
- E-PORT CONCEPT AIMS TO HELP BY CAPTURING GPS DATA ON VEHICLES EVEN WHEN THEY ARE OUTSIDE THE PORT
- MANY PORTS ARE PREOCCUPIED WITH TOS AND OTHER IT UPGRADES, TO RECOGNISE THE BENEFITS OF THE E-PORT CONCEPT
- ESTABLISHING INTELLIGENT INFRASTRUCTURE TO ENSURE SMOOTH AND EFFICIENT TRAFFIC FLOW AND ULTIMATELY TRADE FLOW
(I.E TRAFFIC MANAGEMENT SYSTEMS/ PORT TECHNOLOGY/KNOWLEDGE MANAGEMENT/HEALTH MANAGEMENT)

CONCLUSION

- **STRICT POLICIES AND PROCEDURE MUST BE ENFORCED**
- **THE CHANGE HAS TO DO WITH THE **PEOPLE** AND NOT THE **SYSTEM****
- **TEAM WORK : “ IT IS DIFFICULT TO ACHIEVE AN OBJECTIVE BY MAKING ONE BIG SINGLE IMPORVEMENT; GOOD CONTINOUS IMPORVEMENT IS ACHIEVED THROUGHT TEAM WORK**
- **QUOTE: YOU CAN’T LEAD IF YOU REMAIN **UNCHANGED** “ YOU MUST BE THE CHANGE YOU WANT TO SEE IN THE WORLD” ----- **MAHATMA GANDHI****

SMART PORT VIDEO

- * Acknowledge a video of a modern Smart Port of Hamburg Port Via You Tube.
- * <https://www.youtube.com/watch?v=g38qIK-ZoYw&feature=youtu.be&list=PLOxAwds171bePtDRwUBv0-izcOidE2YSm>
- * <http://www.hamburg-port-authority.de/en>
- * Take a watch – THANK YOU.