



**Welcome**  
**to the presentation by**  
*Teledata Marine Systems*

*On*

*e-Learning Initiatives*

*K H K Rangan*



# e-Learning

## New Concept in Maritime Education and Training.

## Education in early days

- Gurukulam style
- Concept
- Methodology



## Development of Educational Institutions

- Establishment of schools
- Establishment of colleges
- Establishment of universities
- Residential training

# Advent of distance learning

- Matured students
- Development of print media
- Development of public libraries.

# Information Technology Revolution

- Personal computers
- Laptop
- Internet
- Award of e-degree

# Maritime Education and Training - Current Situation

- STCW 78/STCW 95
- Institution based training prior to examination
- long periods away from home at considerable cost
- No structured training available for shore jobs – Ship Superintendent

# Application of e-learning to Maritime Education and Training

## Advantages of e-learning

- changes the way people acquire knowledge
- eliminates barriers to quality education
- enables individuals to be more responsive to changing environment

- enables the individual to study at his/her own pace anytime and anywhere
- provides a medium for life long learning
- provides a platform to share experiences and expert knowledge
- removes cultural and linguistic barriers; and
- improves productivity.

# Development of e-learning by Teledata

- DNV developed ship superintendent standards
- Teledata signs agreement with DNV to develop the course material based on the developed standards
- DNV and industry experts to vet the materials
- Product launched on 27<sup>th</sup> July 2005 - Singapore
- Candidates to sit for the examination in one of the DNV approved centers
- DNV to certify the successful candidates

# Ship Superintendent Programme

## Covering the following Functional Areas

- Human resource management
- Ship management
- Vessel inspection
- Cost control and budgeting
- Commercial and legal aspects
- Communications and application of  
Information Technology

Ship superintendent Programme divided into 3 broad category

- Ship Superintendent - General comprising 21 courses
- Ship Superintendent - Marine comprising 6 courses
- Ship superintendent - Technical comprising 6 courses

## Ship Superintendent – General

- Role of Superintendent
- IMO, ILO, International Conventions and Codes
- Classification Rules & Role of Class
- Industry Organizations
- Registration of Ships
- Budget & Cost Control
- Purchasing
- Quality Assurance
- Safety, Security, Health and Environment

- Project Management
- Reporting & Record keeping
- Information Technology
- Monitoring Ship's Performance
- Dry-docking & Repairs
- Port State Control
- Purchase, Sale, Takeover & Delivery
- Recycling
- Inspections
- Certification & Surveys
- Corrosion & Painting
- Emergency Response

## Ship Superintendent – Marine

- Cargo Carriage
- Personnel
- Marine Insurance & Law
- Chartering
- Control of Operations
- Nautical Equipment

## Ship Superintendent – Technical

- Control Systems
- Materials
- Hull
- Machinery
- Technical Equipment
- Maintenance

Expected time to complete

- 45 minutes a day
- About 9 months

## Structure of the Programme

- Case studies
- Expert view
- Quizzes
- Group discussion
- Dynamic
- Hyperlinks

On-Line registration available now

<http://elearning.teledatamarine.com>

Fee payable

Ship Superintendent (General)      US \$ 4000

Ship Superintendent (Marine)      US \$ 1600

Ship Superintendent (Tech.)      US \$ 1600

Individual Modules      US \$ 300

## **Other e-Learning Projects Underway**

- Certificate of Competency Courses
- Ship Electrical Officers
- Degree Programme for Marine Professionals

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## Teledata MARINE SYSTEMS eLearning

HOME PRODUCTS ABOUT CONTACT

Teledata Marine Systems (TMS) provides enterprise-wide solutions for the marine and educational sectors.

### Ship Superintendent eLearning Programs

- Three programs, 33 courses that include Drydocking, Project Management, Cargo Carriage, Human Resources, Technical Equipment and Maintenance.
- Learn at your own pace - anytime, anywhere.
- Extensive learning toolset - includes case studies, expert's view, examples, quizzes, group discussions and assessments.
- Authentic documents and templates - view and download sample documents and templates as used by shipping companies and practicing superintendents.
- Additionally, prepare yourself for the DNV Ship Superintendent Certification.

Details Tour **Buy Now!**

#### In the News

- [Ship Superintendent e-learning program announced](#) | 27-Jul-05
- [Teledata and DNV sign long term collaboration agreement](#) | 15-Jun-05
- [More](#)

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**Ship Superintendent Program**

**DRY DOCKING AND REPAIRS**      Forum      Assessment      End Session

**Table of Contents**

- [-] **Drydock Module**
  - ... Learning Objectives
  - [-] **About this Course**
    - ... Using this Course
    - ... Overview
    - ... What the Shipping Companies Say
    - ... Drydocking Gone Wrong
    - ... Drydocking Activities
  - [-] **Before Dry Docking**
    - ... Regulatory Requirements
    - ... Identify modifications required as per regulations
    - ... Build drydock defect list
    - ... Carry out pre-drydocking inspection
    - ... Prepare drydock specifications
    - ... Arrange for connecting necessary spares & stores
    - ... Prepare drydock budget
    - ... Prepare Request for Quotation (RFQ)
    - ... Select shipyard

**Learning Objects designed to DNV Standard for Ship Superintendent**

**General Learning Objective (GLO)**  
3.14 Plan and implement drydocking and repairs of a vessel

**Specific Learning Objectives (SLO)**

**Before drydocking**

- 1 State the Regulatory Requirements and IACS guidelines for drydocking
- 2 Identify modifications required as per international regulations
- 3 Prepare drydock defect list using inputs from vessel and Class
- 4 Explain the importance of pre-drydocking inspection
- 5 Prepare drydock specifications for work to be carried out
- 6 Organize supply of necessary spares & stores
- 7 Prepare drydock budget based on historical and current information
- 8 Prepare Request for Quotation (RFQ) for drydocking
- 9 Select shipyard based on evaluation criteria

**During drydocking**

- 10 Know how to use a Gantt chart to monitor shipyard work
- 11 Explain the importance of teamwork under different situations
- 12 Explain jobs that are commonly carried out during drydocking
- 13 Coordinate daily activities of shipyard, ship staff and service providers
- 14 Implement safe working procedures during drydocking
- 15 Review daily budget variances
- 16 Facilitate undertaking of unplanned activities and repairs
- 17 Organize specialized repairs for damage or accidents

**After drydocking**

- 18 Know the list of reports to be put together after drydocking

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## Teledata eLearning

MARINE SYSTEMS

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### Ship Superintendent

The Ship Superintendent E-learning has three programs:

1. [Ship Superintendent - General](#)
2. [Ship Superintendent - Marine](#)
3. [Ship Superintendent - Technical](#)

These e-learning programs prepare you to take up the role of a ship superintendent. It provides you with necessary management skills to supervise and support ship operations and maintenance from ashore. In addition, completion of the above programs will fully prepare you for the DNV test for ship superintendent certification

**As a new superintendent**, the programs will help you to enhance existing knowledge and skills to make you an effective ship manager.

**As an experienced superintendent**, you will find the program interesting and useful as a means of continuing professional development (CPD).

The program covers the functional areas of:

- Human resource management
- Ship Management
- Vessel inspection
- Cost control and budgeting

#### BUYING OPTIONS

- > Purchase **PROGRAMS**  
(3 programs to choose from)
- > Purchase **COURSES**  
(33 courses to choose from)

**BUY NOW!**

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**Life Long Learning Through e-Learning**

**“Knowledge is Power”**

# Other Products

- **Ship Manager**
- **Report Manager**
- **Port Manager**
- **Port Security Manager**
- **Registry Manager**
- **Flag State Administration Manager**
- **Ship Repair Manager**
- **Publishing Manager**

# Solutions for Ship Owners/ Managers

Comprehensive range of integrated management and maintenance modules for both ship & office :-

- **Planned maintenance**
- **Spares & Inventory**
- **Purchasing**
- **Breakdown & repair**
- **Dry dock management**
- **Fleet monitoring (web)**
- **Safety (ISM)**
- **Security (ISPS)**
- **Personnel**
- **Shipboard administration**
- **Document Management**
- **Budget and accounting**

***Thank You***