



# NIKOLA VAPTSAROV NAVAL ACADEMY

*"FILII MARIS SUMUS"*



**VARNA 2017**

# **MISSION STATEMENT**

**To develop highly qualified leaders  
for the Bulgarian Navy and the maritime industry;  
to prepare them for the challenges of the  
transforming Navy and the rapidly changing  
sector of the global maritime economy**

## **MAIN OBJECTIVES**

- ✓ **Higher military and civilian education for the future naval officers**
- ✓ **Bachelor's, Master's and PhD degrees for the merchant marine**
- ✓ **Postgraduate training for military and maritime personnel**
- ✓ **Research and Development for the Bulgarian Navy and the maritime industry**

## **OTHER OBJECTIVES**

- ✓ **Master degree for officers from the Naval Department of National Defense and Staff College**
- ✓ **Technical training and qualification enhancement of the NCOs and sailors**

# HISTORICAL HIGHLIGHTS

- 1881 First technical school in Bulgaria
- 1893 Beginning of line officer / deck officer education and training
- 1901 Qualification courses for senior naval officers
- 1906 First diplomas of higher education
- 1953 First foreign cadets funded by their respective MoDs
- 1956 First Master's Degree Engineering program
- 1960 International recognition of the Academy's diploma by IMO
- 1995 Maritime university approved under the STCW 78/95 Convention
- 1998 First program accreditation of core specialties
- 2000 Co founder of the International Association of Maritime Universities
- 2000 First ISO Quality Certificate
- 2001 First Institutional Accreditation
- 2010 Member of the executive board of IAMU
- 2011 Founder of BSAMI
- 2012 Vice-president of BSAMI
- 2014 Audit by EMSA  
President of BSAMI
- 2015 Recognition by Japanese Ministry of Land, Infrastructure, Transport and Tourism



# TRADITIONS

## Founders of the Academy



Lieutenant  
Kuzminski



Admiral  
Rozhdestvenski



Major-general  
Konstantin Kirkov

- ✓ Institution for training in the maritime way of life
- ✓ Integrated training of officers both for the Navy and the Merchant Marine in a military environment
- ✓ Theory and practice in close integration
- ✓ National Center of maritime education and science
- ✓ Strict adherence to the international standards for training of maritime personnel

## Patron of the Academy



Nikola Vaptsarov



Alumni Association of the Naval  
Academy

# ACCREDITATIONS



**Syllabus accreditation - 1998**

**Institutional accreditation - 2001**

**Syllabus accreditation - 2004**

**Syllabus accreditation - 2006**  
**Transport, Navigation, and Aviation vocational domain**

**Institutional accreditation – 2006**

**HIGHER EDUCATION ACT**

**DEFENSE AND ARMED FORCES ACT**



**NATO**

**STANAG publications**  
**Allied publications**  
**Other NATO requirements**



**IMO**

**STCW 78/95 model courses,**  
**MARPOL, SOLAS and other conventions**

**Syllabus accreditation - 2007**  
**Military Science vocational domain**

**Syllabus accreditation - 2009**

**Institutional accreditation - 2012**

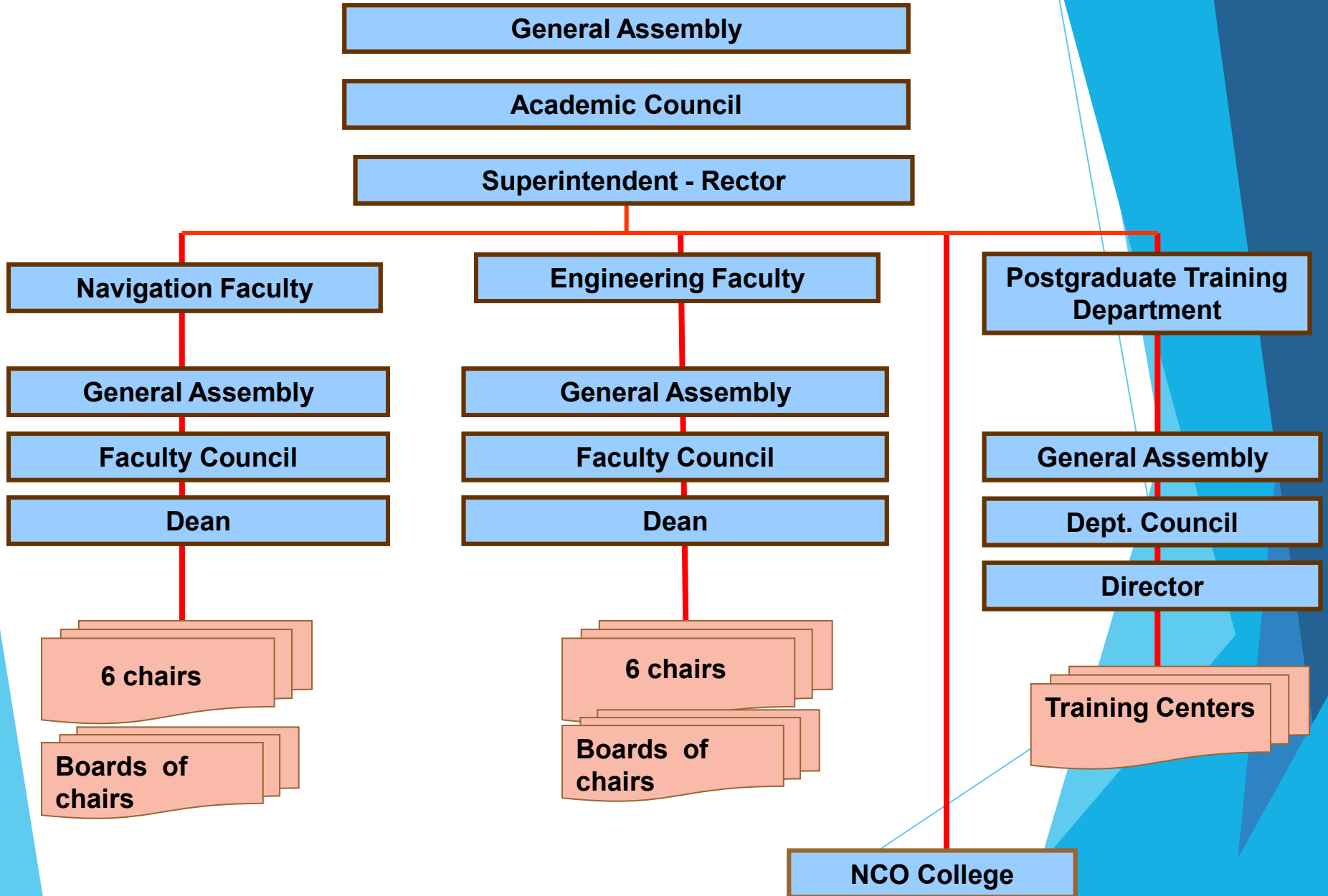
**Syllabus accreditation - 2012**

**Syllabus accreditation - 2013**

**AUDIT BY EMSA**

**Syllabus accreditation - 2016**

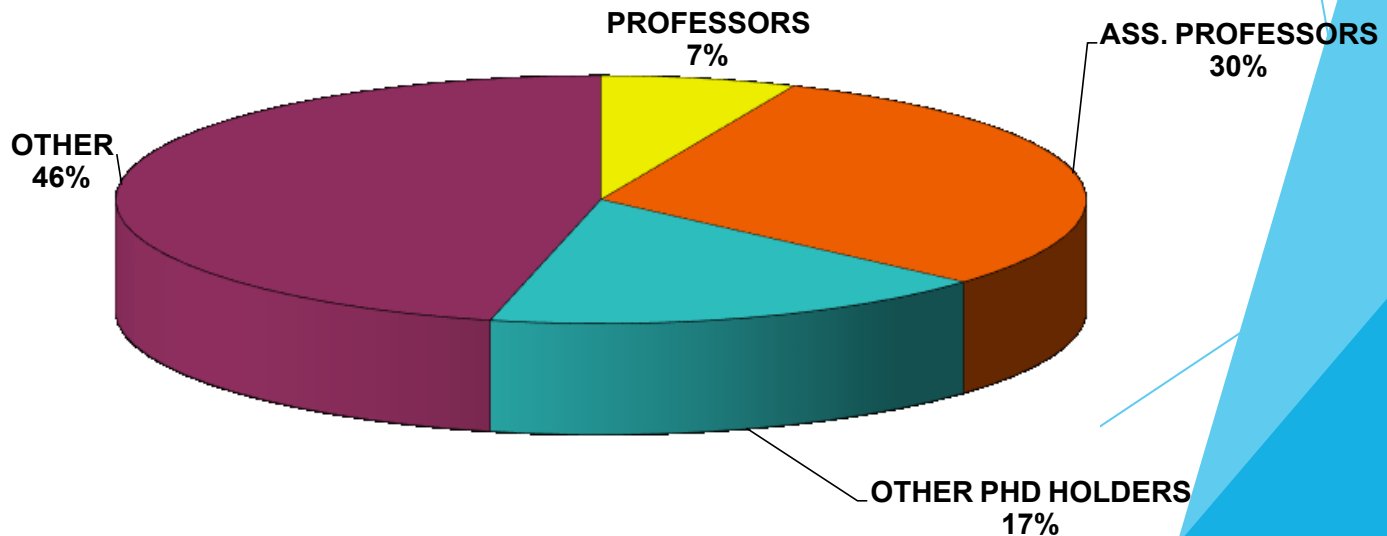
# ACADEMIC STRUCTURE





# ACADEMIC STAFF

Sections	Full Professors	Associate professors	Other PhD holders	Total
NAVIGATION FACULTY	6	15	9	59
ENGINEERING FACULTY	1	22	11	43
POSTGRADUATE TRAINING DEPARTMENT	1	-	1	13
<u>TOTAL ACADEMI</u>			1	95 + 20 + 3





# SEAFARER'S COMPETENCE OF THE ACADEMIC STAFF

<b>Master on ships of 3000 gross tonnage or more</b>	<b>9</b>
<b>Master on ships up to 500 gross tonnage</b>	<b>1</b>
<b>Chief Engineer Officers</b>	<b>1</b>
<b>Watchkeeping Officers</b>	<b>6</b>
<b>Second Engineer Officers</b>	<b>7</b>
<b>Ship's Electrical Engineer Officers</b>	<b>2</b>
<b>GMDSS General Operators</b>	<b>20</b>
<b>First-class Radioelectronic</b>	<b>3</b>
<b>Second-class Radioelectronic</b>	<b>1</b>
<b>Maritime Security Trainers</b>	<b>5</b>
<b>Maritime Instructors</b>	<b>100%</b>

# ACADEMIC SUPPORT UNITS

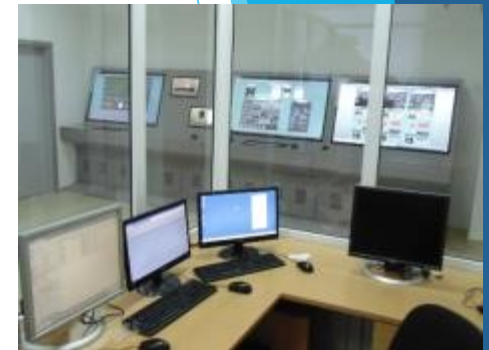
- **Naval Research Center**
- **English Resource Center**
- **CISCO Academy**
- **Ship Brokers Center**
- **Naval Training Center**
- **Career Development Center**
- **EIPC Center**
- **Information Center and Library**
- **Publishing Center**
- **Maritime Technology Transfer Center**



# TRAINING FACILITIES

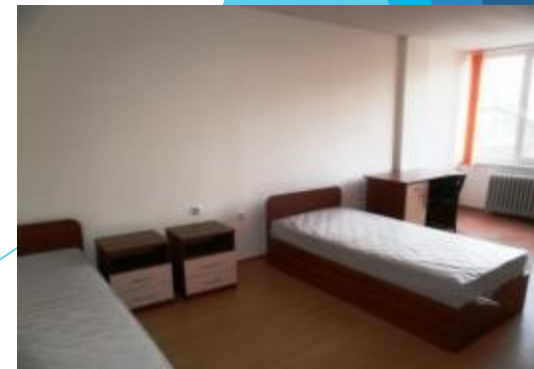


- ❖ Auxiliary training ship 206
- ❖ Sea born Training base 421
- ❖ m/v Asen 422
- ❖ Sail training vessel “Kaliakra”
- ❖ Sail training vessel "Royal Helena"
- ❖ Boat base
- ❖ Summer camp
- ❖ Simulators
- ❖ Polygons
- ❖ Planetarium



# TRAINING FACILITIES

- ❖ Lecture-halls and classrooms
- ❖ Library (125 208 volumes) with Informational computer center
- ❖ Sports Hall and swimming pool
- ❖ Computer training center with Internal computer net
- ❖ Psycho-physiological labs
- ❖ Computer labs
- ❖ Language labs
- ❖ Other labs
- ❖ English resource center (SAC)
- ❖ Publishing center
- ❖ Cinema and Conference hall
- ❖ Dormitories
- ❖ Dining facilities
- ❖ Museum



# TRAINING OF NAVAL OFFICERS (CADETS)

**HIGHER EDUCATION with a BACHELOR degree**

**Duration of training: 5 years**



## MILITARY SPECIALTY:

- **COMMAND AND CONTROL OF NAVAL TACTICAL UNITS – NAVIGATION**
- **COMMAND AND CONTROL OF NAVAL TACTICAL UNITS – MARINE ENGINEERING**
- **COMMAND AND CONTROL OF NAVAL TACTICAL UNITS – NAVAL COMMUNICATION AND RADIOTECHNICAL SYSTEMS**



## CIVILIAN SPECIALTY:

- **NAVIGATION**
- **MARINE ENGINEERING**
- **INFORMATION AND COMMUNICATION TECHNOLOGIES IN MARINE INDUSTRY**





# PRACTICE

SUMMER CAMP & DIVING



ON BOARD TRAINING



SIMULATOR TRAINING



LEADERSHIP TRAINING



# INTERNATIONAL ACTIVITIES

## TRAINING AND PRACTICE ABROAD ON BOARD OF POLISH, ROMANIAN AND U.S. NAVY SHIPS





# TRAINING AND PRACTICE ABROAD

- TWO CADETS CONTINUE THEIR TRAINING IN US NAVAL ACADEMY, ANNAPOLIS

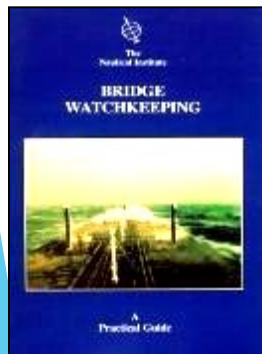
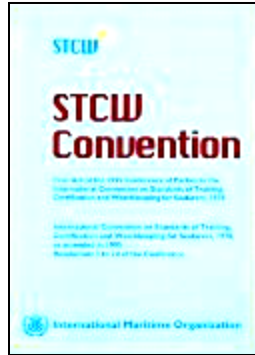


- NVNA CADETS TAKE PART IN MIRCHA CEL BATRAN NAVAL ACADEMY SUMMER CAMP IN ROMANIA AND IN POLISH NAVAL ACADEMY SUMMER CAMP



# EDUCATION OF STUDENTS FOR THE MERCHANT MARINE

## BACHELOR'S DEGREE PROGRAMS



### NAVIGATION FACULTY

- NAVIGATION
- INLAND WATER NAVIGATION
- INFORMATION AND COMMUNICATION TECHNOLOGIES IN MARINE INDUSTRY
- FLEET AND PORT MANAGEMENT
- WATER TRANSPORT MANAGEMENT
- SHIPPING

### ENGINEERING FACULTY

- MARINE ENGINEERING
- SHIP ELECTRICAL ENGINEERING
- TECHNOLOGY OF SHIP REPAIR
- OCEAN ENGINEERING

***Duration of training – 4 years***  
***Academic hours – 2700-3000 (240 ECTS Credits)***



# EDUCATION OF MERCHANT MARINE STUDENTS

## MASTER'S DEGREE PROGRAMS

### NAVIGATION FACULTY

- NAVIGATION
- INFORMATION AND COMMUNICATION TECHNOLOGIES IN MARINE INDUSTRY
  - PORT MANAGEMENT



### ENGINEERING FACULTY

- MARINE ENGINEERING
- SHIP ELECTRICAL ENGINEERING
  - SHIP REPAIR



### TOGETHER WITH :

### VARNA FREE UNIVERSITY

- MARINE SAFETY AND SECURITY
- ARTOIS UNIVERSITY, FRANCE
  - LOGISTICS



*Duration of Training 1 / 3 years*

*Academic hours 900 / 2500 (60 / 120 ECTS Credits)*

# **DOCTORAL DEGREE PROGRAMS**

- 1. Ship Operation and Navigation**
- 2. Operation of Water Transport, Seaports and River ports**
- 3. Radiolocation and Radionavigation**
- 4. Communications Systems and Networks**
- 5. Ship Power Plants and Machinery**
- 6. Technology and Organization of Shipbuilding and Ship Repairing**
- 7. Ship Power Supply and Electrical Systems**
- 8. Organization and Management of the Armed Forces**
- 9. Military Psychology**
- 10. Automated systems for information processing and management**
- 11. Dynamics, strength and reliability of machines**
- 12. Organization and management**
- 13. Military and political aspects of security**



# POSTGRADUATE TRAINING

## NAVAL OFFICERS

- Training for a new position (specialization)
- Training on the issues of interoperability with NATO
- Language training
- Computer training
- Courses for social adaptation of officers passing in reserve



# **POSTGRADUATE TRAINING**

## **MERCHANT MARINERS**

- **Conventional certificate training**
- **Training for a higher degree of maritime qualification**
- **Bridge team/resource management courses**
- **Engine team/resource management courses**
- **Operation and maintenance Power Systems in excess of 1000 volts**
- **Licensed ship broker and agent training**
- **ECDIS training**
- **GMDSS operator training**
- **VTMS training**
- **Security officers training**
- **Safety officers training**
- **Ionizing radiation sources competence courses**



# RESEARCH AND DEVELOPMENT ACTIVITIES

## STRATEGIC GOAL

*To establish a centre of fundamental and applied science research in the area of naval science and marine technologies providing education and scientific support to the Navy and maritime industry*

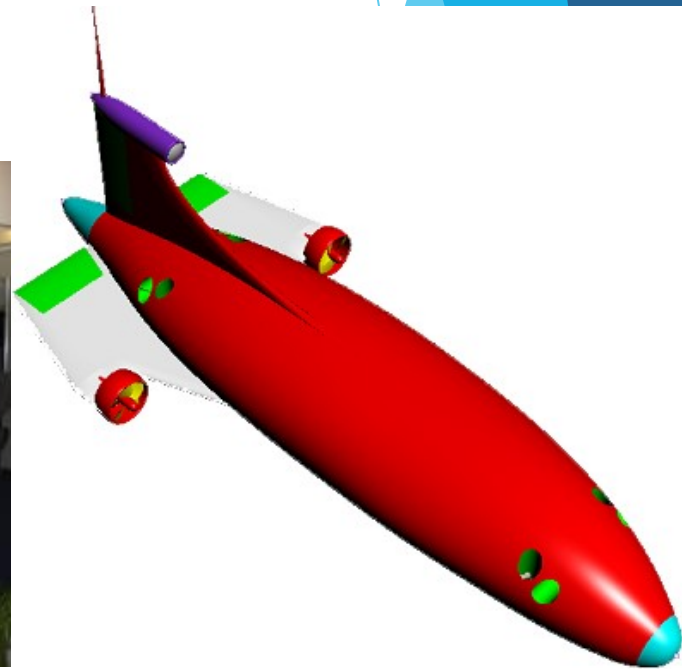
## MAIN AREAS

- ✓ Marine technologies
- ✓ Naval science, weaponry and equipment
- ✓ Maritime safety and security
- ✓ Navigation
- ✓ Maritime education and qualification activities
- ✓ Green energy



# RESEARCH AND DEVELOPMENT ACTIVITIES FOR THE NAVY

- ✓ System for Naval bases and port protection
- ✓ Underwater surveillance system
- ✓ Combat management system
- ✓ Ship building and armament
- ✓ Unmanned underwater submarine imitator



# INTERNATIONAL CONTACTS

## MEMBERSHIP IN

- ✓ The International Association of Maritime Universities (IAMU)
- ✓ The International Maritime Lecturers Association (IMLA)
- ✓ The Consortium of Military Academies and Defense Studies Institutes
  - ✓ Black Sea Association of Maritime Institutes (BSAMI)
    - ✓ Cisco Networking Academy
    - ✓ Microsoft Academy
  - ✓ Microsoft Dynamics Academy



# INTERNATIONAL CONTACTS



**Nikola Vaptsarov Naval Academy will host  
the IAMU Annual General Assembly in October 2017**

NVNA won in competition with candidates as Maritime universities in Barcelona, Liverpool, Philippines and World Maritime University in Malmö



IAMU AGA 2015  
5 - 8 October 2015, Opatija, Croatia

# INTERNATIONAL CONTACTS

## CONTACTS WITH NAVAL ACADEMIES

**France; Germany; Greece; Italy;  
Nederland's; Norway; Poland;  
Portugal; Romania; Spain;  
Turkey; USA**



# INTERNATIONAL CONTACTS



## DEEP Ukraine



- ❖ **Participation in the 4<sup>th</sup> Functional Clearing-house on Defence Education – June 2015, Vienna**
- ❖ **Participation in the Functional ONMA Verification/Audit – June, November 2015, Odessa;**
- ❖ **Faculty and Curriculum Development visit - November 2015, Varna;**
- ❖ **Support for Odessa Naval Faculty in organisation of the teaching process and scientific research;**
- ❖ **English language courses, Military exercises/CAX;**
- ❖ **Practical aspects of the curriculum development focused on the naval issues;**
- ❖ **Internships for teachers of Naval Faculty from Odessa National Maritime Academy.**

**INTERNATIONAL CONTACTS**  
**CONTACTS WITH MARITIME ACADEMIES AND**  
**UNIVERSITIES**

**Belgium; Georgia; Greece; Poland;**  
**Romania; Russia; Turkey;**  
**Ukraine; USA;**  
**World Maritime University**





# BUSINESS CONTACTS



✓ Bernhard Schulte,  
Germany



✓ CMA CGM Group

✓ Cosmos Shipping



✓ Eastern Pacific Shipping  
Pte. Ltd



✓ EURONAV, France



✓ Keppel Fels Baltech Ltd,  
Singapore



✓ K-Line, Japan



✓ Kuwait Oil Tanker  
Company



✓ Marine Consult, Germany

✓ Multraship Towage &  
Salvage, The Netherlands



✓ MTG – Dolphin PLC



✓ Navigation Maritime  
Bulgare



✓ Premiere Group Ltd,  
Norway



✓ Promar Ltd, Germany

✓ Ray Shipping Ltd



✓ Rhenus Maritime Ltd



✓ Royal Caribbean  
International



✓ Stamco Ship Management  
Co Ltd, Greece



✓ Thenamaris, Greece



✓ TRANZAS Group, UK



✓ Union Shipping and Trade  
Co Ltd, Greece



✓ Valiant Shipping S.A.

✓ W J Parnis England Ltd



✓ ZIM Integrated Shipping  
Ltd, Israel



✓ Zodiac Maritime Ltd, UK





# NIKOLA VAPTSAROV NAVAL ACADEMY

VARNA

