



NAPA SAFETY SUMMIT 2026

SAFETY · EFFICIENCY · AUTOMATION

Training Solutions and Digital Tools

Jussi Siltanen

Head of Training Services, NAPA Safety Solutions





Emiliano Caroletti

Principal Instructor, Nautical, CSMART

- Joined CSMART in 2012.
- Over 13 years experience nautical instructor.
- Overseeing curriculum governance, instructor development, audit readiness, and the delivery courses.
- Previously over 10 years experience as officer at Finaval and Costa Crociere.
- Strong interest in integrating advanced digital tools into training and learning.



Emanuele Bosco

Senior Nautical Instructor, CSMART

- Joined CSMART in 2022.
- Over 13 years experience nautical instructor.
- Delivering high level training in navigation, ship handling, safety management, and modern bridge technologies.
- Previous experience as Navigation Officer in the commercial shipping sector and 15 years at Carnival Cruise Line.
- Interest in contributing to maritime excellence through training, innovation, and operational expertise.



CSMART – Center for Simulation & Maritime Training



CSMART Beginnings



- **2007:** operational review P&O Princess Group
- **Recommendations**
 - Bridge resource management training
 - Technical training
 - Review normal and abnormal operating procedures
 - Role-based bridge organization
 - Recurring simulator training and evaluations
- Setup own simulator center
- Changes introduced in stages, starting with the development of new bridge procedures.



CSMART Center

11,000 m²

Over 5 floors

16

Classrooms

8

Debriefing rooms

4

Full Mission Bridge Simulators

4

Full Mission Engine Simulators

2

Electrical Workshops



Stability Training Center

Medical Wellness Center

Automation Workshop

LNG workshop

Shore-power connection workshop



CSMART Hotel



11
floors



176
rooms



In 2024

7304

Offered Seats

7042

Total Participants

In 2025

Approx.

14

Courses/Week

5963

Officers Established



Nautical course catalog

1. NACOS Platinum Operator
2. Voyage Planning Principle & Practices (OneOcean)
3. Basic and Advanced Shiphandling and Maneuvering Course Conventional Propulsion (SH1_Conv)
4. Bridge Resource Management
5. Bridge Resource Management - Advanced
6. Wartsila Dynamic Positioning Familiarization
7. Polar Code (Basic and Advanced)
8. New Hired Kit (introduced in June 2025)
9. Watch Leader Kit (introduced in September 2025)
10. Management Kit (introduced in Jan 2026)
11. Executive Kit (planned to be delivered in September 2026)
12. Safety Officer Kit (planned to be beginning of 2027)







Technical course catalog

1. Engine-room Resource Management
2. Continuous Development - Engineering
3. Engine-room Resource Management Advance
4. High Voltage Management Level
5. Diesel Electric Propulsion
6. LNG Management (Level 1)
7. LNG Good Practices Conference
8. Environmental Excellence - Year 2025
9. Exhaust Gas Cleaning System (EGCS)
10. NHK/WLK/MNG/EXE









GAS HAZARD



Authorized
Repairs
for only



EX proof
only by



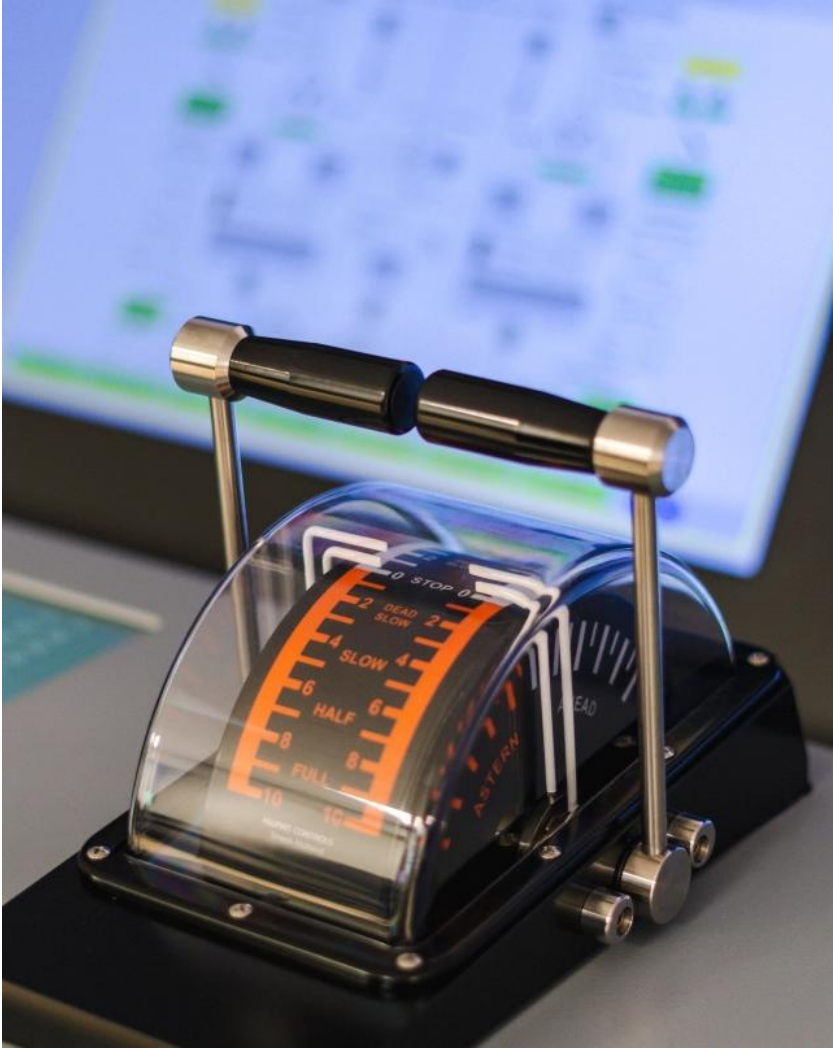
No mobile



Gas Hazard
Authorized Repairs
only by

Simulation Based Promotion Appraisal

Promotion programs for Staff Captains/Staff Chief Engineers and for Captains/Chief Engineers positions.



Competency-Based Learning for Safety-Critical Operations

Attendance vs Competence

Attendance shows exposure to training but does not guarantee safe, consistent performance in real situations.

Competency-Based Validation

Competence is validated through demonstrated ability to perform critical tasks under realistic, risk-managed conditions.

Multiple Learning Routes

Learning can happen via formal training, simulations, mentoring, drills, or on-the-job experience, focusing on skill proof.

Safety and Readiness Outcome

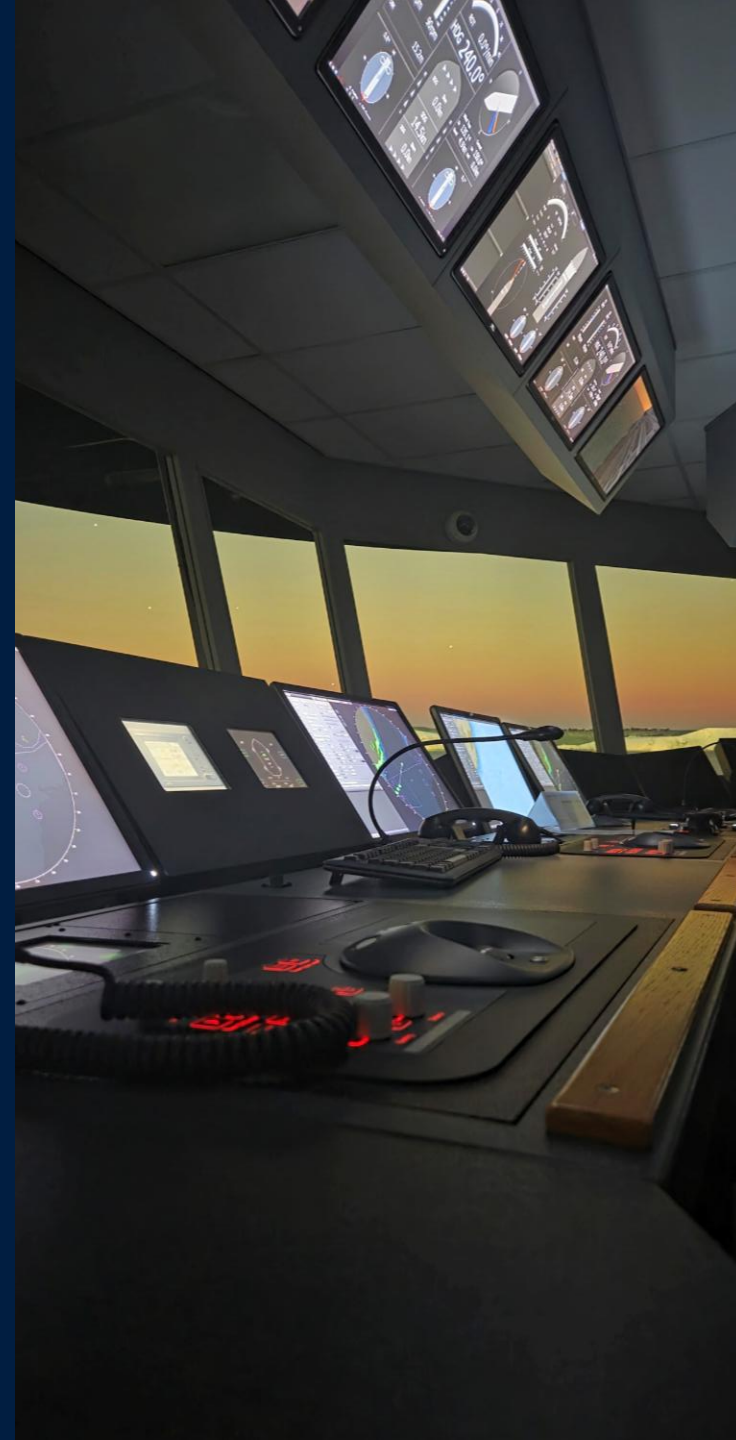
Focusing on demonstrated competence reduces risk and ensures readiness with consistent safety performance.



Officer Career Path (OCP)

From Training Attendance to Demonstrated Competence

- Starting from June 2025
- Provides the competencies to support the career progression from 3rd Officer/Engineer to Captain/Chief Engineer.
 - ✓ New Hire Kit, 3 weeks program
 - ✓ Watch Leader Kit, 2 weeks program
 - ✓ Management kit, 2 weeks program
 - ✓ Safety Kit, 2 weeks program
 - ✓ Executive kit, 2 weeks program



What are the OCP Kits?

The Officer Career Pathway (OCP) training kits are designed to ensure officers receive the right development at the right stage of their career.

Each kit aligns with a specific level of responsibility.

Progressing from watchkeeping duties to senior management and executive leadership.

PROGRESSION

SKILL RETENTION

CAP and CHAP

Purpose: Executive advancement for command roles. CAP focuses on leadership, crisis decision-making, guest/crew communication. CHAP focuses on technical leadership, team performance under stress.

When to Send: Prior to being promoted to the role of Captain/Chief Engineer.

Executive Kit

Purpose: Equips senior leaders (typically a Staff Captain/Engineer and Captain/Chief Engineer) with strategic, operational, and crisis management capabilities.

When to Send: Prior to being promoted to an executive role.

Safety Kit

Purpose: Prepares officers for safety leadership with advanced safety operations and emergency coordination; aligns with management-level readiness.

When to Send: Prior to promotion into a safety oversight position.

Management Kit

Purpose: Prepares officers for management-level roles (typically 1st Officer/Engineer and Safety Officer), focusing on decision-making, and team leadership.

When to Send: Prior to promotion into a management position.

Watch Leader Kit

Purpose: Builds advanced watchkeeping skills for senior officers (typically SOOW/2nd Officer/Engineer) and consolidates leadership fundamentals.

When to Send: Prior to promotion into a watchkeeper position.

New Hire Kit

Purpose: Introduces new to company officers (typically JOOW/3rd Officer/Engineer) to core safety and Carnival operational standards.

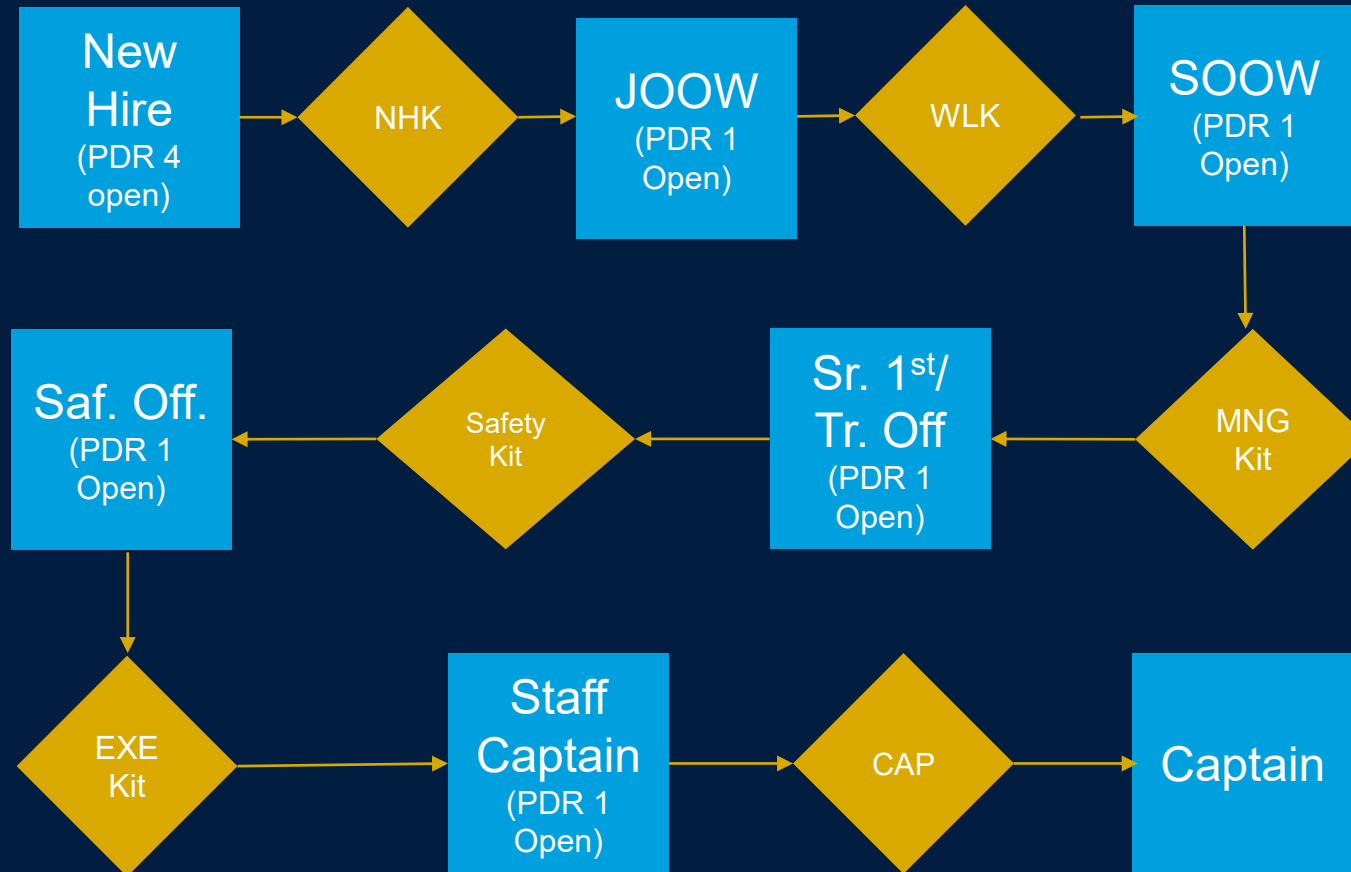
When to Send: Immediately after joining the company and before 1st contract.

Refresher Kit

Purpose: For Skill Retention

When to Send: Between Kits if not ready for promotion to the next Rank or when deemed necessary (e.g. after relevant events)

Example of OCP Normal Path (Nautical)



PROFESSIONAL DEVELOPMENT RECORDS (PDRs)

Record ongoing learning, training, and career development

Specific to individuals and rank

Set meaningful, realistic, and practical career goals

Made up of various competencies, which contains several tasks

PDRs and Training at CSMART

The Learning objectives of our training programs are directly linked to the PDRs.

CSMART learning approach is based on competencies; officers are coming here for the right training at the right time in their career progression.



NAPA and CSMART

- The collaboration between NAPA and CSMART goes back to almost 15 years!
- In 2016 we designed a Stability Room equipped with 12 NAPA stations, an instructor station and two 84 inches wall-mounted screens.
- Our instructors are certified by NAPA.
- We develop course contents in collaboration with NAPA.





Introduction to Ship Damage Stability

CSMART



A whiteboard with diagrams and handwritten notes. On the left, there is a diagram of a ship's hull cross-section. On the right, there are handwritten notes in red and black ink, including a list of items:

- Damage stability
- Damage stability criteria
- Assessment of damage stability
- Requirements
- Assessment
- Stability



Integration of NAPA Stability into the OCP programs

New Hire Kit (NHK) - Intact Stability

- Introduction to Ship Stability, IMO requirements, and Company procedures (MAR-1501)
- Intro & overview of NAPA Stability Software
- Stability Information Booklet (SIB)
- Checking and updating ship's loading condition
- Draught Readings vs. Draft Survey & Unknown Deadweight

Management Kit – Damage Stability

- Introduction to ship's Damage Stability – SOLAS 90 & SOLAS 2009
- Free Surface Effect & Progressive flooding
- Damage in Live Condition, Planning mode & Emergency Computer
- Impact of Firefighting water on Ship's stability
- Enhancing the simulation by integrating Napa Stability software & Emergency Computer into **Full Mission Bridge / Safety center** exercises.









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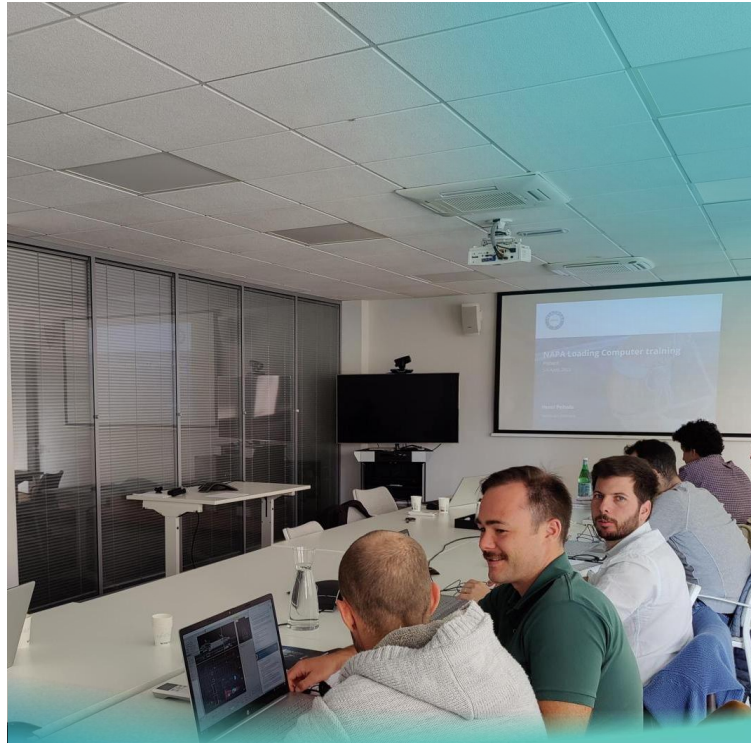


NAPA – your training partner



25.3.2026

NAPA Digital Training Solutions



PORTFOLIO

Wide range of standard and customized training services



EXPERTISE

Experienced trainers in both theory and practice



TOOLS

eLearning and web-based tools to support learning

The training portfolio

Induction courses onboard:

NAPA Stability



NAPA Logbook



NAPA Fleet Intelligence



Pro courses:

NAPA Stability solutions



NAPA Emergency Computer



NAPA Logbook



Refresher courses:

NAPA Stability solutions



NAPA Logbook



TRAINING FOR USERS

Certification courses:

NAPA Stability solutions



NAPA Logbook



Certificate renewal:

NAPA Stability solutions



NAPA Logbook



TRAINING FOR TRAINERS

Digital platform:

Stability theory eLearning



NAPA Logbook tutorial



NAPA Stability in cloud



NAPA LC in cloud



Quick Guides:

NAPA Stability



NAPA Emergency Computer



NAPA Logbook



TOOLS

NAPA Stability cloud module

- NAPA Stability cloud module replicates the stability computer from any PC browser.
- Accessible through NAPA Fleet Intelligence.
- Enables individual trialling and training.

The screenshot displays the NAPA Stability cloud module interface. At the top, there's a navigation bar with 'Catalog', 'Windows', 'My Files', 'Clipboard', and 'Microphor'. Below this, a status bar shows 'NAPA Stability' and 'Live conditions'. The main area features a horizontal bar with status indicators for GM, HEEL, BMMAX, SFMAX, and FLOOD. Below this, there are three views of a ship's deck plan: 'Profile', 'Decks', and a top-down view. The 'Profile' view shows the ship's cross-section with various compartments labeled MVZ02 to MVZ07 and WT01 to WT19. The 'Decks' view shows the deck layout with compartments labeled WT01 to WT20. The top-down view shows the ship's hull with compartments labeled WT01 to WT20. At the bottom, there's a 'Floating position' section with a graph showing density and trim data, and a 'Weight (surveyed N/A)' section with DW, UnkDWT, and Disp values.

Floating position				Weight (surveyed N/A)					
Density	8.68	At marks 9.37 extreme 8.05 6.74	7.43	Trim A 1.25 m	Heel P 4.01°	Deflection 0.00 m	DW 6813 t	UnkDWT 0.00 %	Disp 63649 t
1.025 t/m ³							DWres 6878 t		



25.3.2026

NAPA Digital Training Solutions

Thank you!

Give feedback

Scan QR code and rate the session you just attended so we can improve the event in real time. It takes ~10 seconds.

