

# How vocational training meets the needs of defence industries

The educational project of the Lycée Professionnel  
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# A Partnership in constant development with the Marine Nationale

- 2011 – Bac professionnel MEI Marine (Maintenance of Industrial Equipment- 12 students per promotion)
- 2015 – Bac professionnel MELEC Marine (Electrical Trades and its Connected Environments – 12 students/promotion)
- 2017 – Bac professionnel GA Marine (Management and administration – 5 students / promotion)

# Tripartite Partnership

- Tripartite Partnership Agreement
  - Lycée Professionnel
  - CIRFA of Bordeaux
  - SRM South West Sector
- Tripartite Commitment
  - The Principal of the Cité scolaire
  - The representative of CIRFA
  - The family and the student

# The project: articulating the student training path

- Diversity of the student's training partners, consistency of discourse
- Diversity and complementarity of knowledge acquisition contexts – know-how - know-how
- Diversity and complementarity of teaching methods

# A progressive and coherent training path

- Partnership: joint follow-up of students and their training path from the 2nd to the terminal:
  - Participation of Marine Referent on Class Boards
  - Annual interview with the Marine referent/ training path and perspectives
- First year: PFMP (Periods of Training in the Professional Environment ) in the industrial sector

# A progressive and coherent training path

- In the second year:
  - PFMP in industrial settings
  - Two-week internship at the Pôle Ecole Méditerranée in Toulon (presentation of the various Marine professions, testimonies, visit of war ship, etc.)
  - PMM – Marine Military Readiness (one Saturday out of every two years of military training) (strong student engagement)

# A progressive and coherent training path

- In the last year:
  - High school: 4 weeks PFMP in an industrial environment
  - The National Navy : 4 weeks of training at the Pôle Ecole Méditerranée in St Mandrier:
    - 2 weeks of military, maritime and practical training
    - 1 week on-shore or on-board practical training
    - 1 week of additional technical training and a summary of the training course (preparation of the course dossier)

# At the end of the training: a professional insertion in the Marine Nationale

- Possibility of signing a 4-year employment contract in the National Navy
  - MEI: Naval Mechanic, Naval Aviation Mechanic, Weapon Mechanic, Marine Firefighter
  - MELEC: Machine Electrical Technician, Weapon Electrician, Aircraft Electrician (Communication Information Specialty)
- Possibility of continuing training: Ecole de Maistrance



# Diversity and complementarity of knowledge acquisition contexts

- Pedagogical project of the Lycée Professionnel to develop the spirit of defense:  
Knowledge of defence maintenance companies (activities, company visits, etc...)
  - The Bordeaux AIA (military aeronautics maintenance, etc.)
  - MCO (fleet management, engine overhaul, repair of parts, etc.)
  - NAVAL Group (design and development of equipment for buildings, etc.)

# Diversity and complementarity of knowledge acquisition contexts

- Pedagogical Project of the Lycée Professionnel (suite2)
  - Partnership with Frigate LA TOUCHE TREVILLE
    - Monitoring of missions and changes in vessel characteristics
    - Visit of the vessel and meeting with the crew (when stopover in Bordeaux, or stay in Brest)
    - Possibility of professional training on the ship

# Diversity and complementarity of knowledge acquisition contexts

- Pedagogical project of the Lycée Professionnel (suite3)  
ERASMUS+ project
  - 15 days of PFMP in European industrial companies (adaptability to new professional contexts, discoveries of new processes, open-mindedness, communication in English, teamwork, etc.)

# Diversity of teaching methods

- Pedagogical project of the Lycée Professionnel (suite4)
  - Marine and Royal Navy Encounters – Evolution of Marine Trades and Articulation of Disciplinary Teachings
  - Students meet two veterans who testify and share their experience.
    - General Marine Culture Workshops
    - English, French, Math/ Marine Workshops
    - EMC Workshop (Moral and Civic Education) / Advocacy
    - Professional education/ Marine workshop

# Diversity of teaching methods

- Pedagogical project of the Lycée Professionnel (suite5)
  - Defence and duty of memory
    - Memory of History
    - Participation in ceremonies (November 11, May 8)
    - National Tribute to Jean Moulin – Academic Trinome – Pantheon Ceremony
    - Participation in the CNRD (National Resistance and Defence Competition)
- Articulations: General and Professional Discipline/  
Marine/ Spirit of Defense

# Social and professional skills development

- Diversity of student trainers and coherent discourse
- Diversity and complementarity of training contexts and teaching methods
  - Foster the transfer of skills knowledge
  - Contribute to the adaptability of students to the evolution of the trades
  - Strengthen technical knowledge related to a business but in diverse and specific contexts of defence
  - Strengthen the capacity to solve problem situations (adaptability, communication, teamwork, etc.)
  - Develop expected social skills in a professional context
  - Build “Spirit of defence” as Value (Beyond Students Involved in Partnership)