

BROAD-BASED COMPREHENSIVE TRAINING

- Training from operator to engineer level covering all disciplinary fields

- 12 master's and engineering courses covering **all marine sciences** - About **250 students** receiving

initial training each year

- Over 20 executive training modules





WEST ATLANTIC MARINE ENERGY CENTER



GET IN TOUCH

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Your challenges have solutions, please contact WEAMEC, we can make it with you!



BOOST YOUR RESEARCH AND INNOVATION PROJECTS TO SUPPORT INDUSTRIAL DEVELOPMENT

DRIVE YOUR STAFF TRAINING FORWARD













RESEARCH EDUCATION INNOVATION de la Loire





A VIBRANT ECOSYSTEM

- -More than 25 institutes and labs: 300 researchers (150 FTE).
- About **80 industrialists involved** in MRE challenges (DCNS, EDF, ENGIE, GE, STX, Rollix, NEOPOLIA EMR,...).
- Across the entire value chain from research to offshore operations.
- Main competences: ocean engineering, advanced manufacturing, structural health monitoring, electrical engineering, human sciences.
- -More than 150 ongoing research and innovation projects.
- A project portfolio >50M€.

-Port Infrastructure (St Nazaire) and unique experimental facilities:

- Multi-MRE technology offshore test site, SEMREV.
- Large lab test facilities (wave tank, wind tunnel, mechanical and electrical test benches, advanced manufacturing and non-destructive control processes).





SUBSTANTIAL, UNIQUE, RENOWNED TEST FACILITIES

- Multi-MRE technology offshore test site SEMREV/Centrale Nantes - Wave and towing tank - Centrale Nantes - Geotechnical centrifuge - IFSTTAR - Aerodynamic wind tunnel - CSTB - Advanced manufacturing and non-destructive control processes: • Robotic finishing (manufacturing up to 18 m) - Jules Verne Technological Research Institute (IRT) • Fatigue test bench (Blades up to 8 metres) - IRT • X-ray computed tomography (Non-destructive control blades up to 7 metres) - CEA Tech - Mechanical testing for cables - IFSTTAR - Energy System test benches (800 kW - Hard In the Loop)-CEA Tech - Numerical simulation - high performance computing - Centrale Nantes - Material testing in multiphysic marine climate chambers -Université de Nantes - Marine growth on-site evaluation (Biocolmar) - Université de Nantes - Smart Materials Testing Center (SEA-SMS) - Université de Nantes