

Maritime Recovery Expertise: Disaster Recovery Solutions for Ocean-Going Vessels

Electro-Mechanical Recertifiers, Inc. and our strategic partners offer a myriad of technical restoration techniques for all marine craft and ocean-going vessels. Our technical group provides emergency services: dehumidification, pump-out and cleanup of hazardous conditions such as flood waters, smoke damage neutralization and treatment of other environmental conditions. Making a vessel seaworthy again is the goal, and fast turn-around time can get a vessel out of the dock and motoring to sea.

We service bio-hazard, water- and smoke-damaged ship interiors as well as all the on-board equipment, instrumentation and electronics. Our services reduce damage by application of proper mitigation measures necessary to quickly control the offending contamination by the use of corrosion control encapsulates, moisture displacement agents and initial and ongoing dry-out methods. Our professional team includes engineers, industrial hygienists and restoration technicians who employ understanding and know-how to produce thorough recovery projects while operating with situational awareness and safety parameters expected industry-wide.

Our teams can respond to U.S. ports within 12 to 24 hours of dispatch for assessment or recovery operations including damaged land based facilities, work barges, plat forms, freight containers or vessels.

BIO-HAZARD, EXPLOSION, FLOODING AND FIRE INCIDENTS

cause interruption to commercial and private vessels affecting both use and function. These disruptions often render a vessel useless and can adversely affect personnel. Proper cleanup of the source area and all other residual surfaces requiring decontamination is vital to the drying and overall cleanliness for a successful recovery effort. All affected surfaces must be treated, and properly controlled protocols must be followed for removal of carbon black soot as well as acidic residues such as sulfides, chlorides, bromides and hydrocarbons must be accomplished after a fire event. Flooding also produces contamination issues such as galvanic reactions, dissimilar metal corrosions and surface pitting and etching of all substrate metal types which must be reversed while not affecting other areas of the vessel.

Besides the effects of smoke and water corrosion to personnel quarters, it also compromises all electronics and equipment. Commonly, there are subsequent failures of electrical wiring & power gear, elevators, communications, desalination plants, power & equipment rooms, kitchen galley equipment, medical facilities, and control systems. Instrumentation malfunction, loss of critical equipment systems, potential data loss & critical failure to computer devices are often the result when fire, water and smoke infiltrate a vessel.

Common Maritime Incidents:

- Fire in switchgear or other electrical equipment failures
- Failure of control systems and power loss resulting in multiple system malfunctions
- Engine room fires & boiler explosions clean up
- Arc flash accidents
- Electrocutation & shock accidents
- Tank overfills & pump failures
- Fuel leaks & spill clean up
- Overheating and explosions clean up
- Pipe break and interior flooding clean up and drying
- Electrical design defects and repair
- Alarm systems failures and repair
- Controls failures and repairs
- Communication system failure and repairs



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Drying, Power and Pump Services

Rental and installation-

- Submersible and centrifugal pumps and hoses
- Portable HVAC units
- Air scrubbers and negative air machines
- Backup generators and power distribution
- Desiccant and refrigeration dehumidification
- Air movers such as axial and turbo fan systems
- Temporary ducting solutions
- Direct and indirect UV sanitization equipment
- Ozone generators



Technical Treatments, Cleaning and Drying Methods

Services offered-

- Application of antimicrobials and Mildewcide
- Mold remediation and containment.
- Application of corrosion control encapsulates and moisture displacement agents to electronics and mechanical equipment.
- Dry ice blasting, pressure washing and manual mechanical cleaning methods
- Environmentally-friendly chemicals and detergents for cleaning
- Vacuum trucks, flood pumpers and extraction for water removal services
- Electronics and equipment specialists for equipment, machinery and control systems recovery



Other Services Offered -

Third party electrical, calibration and testing & validation

Indoor air quality testing & protocols

Engineering reviews and assessments

Private Vessel Hull Assessments

Private Vessel Assessments

Barge and Vessel Damage Claim Assessments

On-going training and re-training for our staff is vital to successful projects. We endeavor to complete the requirements for safety and situational awareness trainings on a regular basis. Our staff participates in industry restoration trainings as well as maintains current passports and TWIC status.

Our team of specialists, technicians and professional engineers has experience assessing, investigating and writing reports as well as performing restoration and recovery of vessel infrastructure and critical systems after experiencing a loss event. For a complete & accurate assessment of damaged vessels and failed equipment items, or structural contamination, or to have a project manager assess an emergency, call today A.S.A.P. and tell our operator that this is an emergency. You will be patched through to our emergency coordinator on duty. In the U.S. please call us at **877-378-4183. International calls **1-410-213-1680**.**

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