

FORCON INTERNATIONAL

ALAN C. GROSSMAN, P.E.

EDUCATION

B.A. Chemistry - Drew University
M.B.A. Drexel University
J.D. Rutgers Law School

PROFESSIONAL LICENSES

2010 Professional Engineer - Florida
1995 Professional Engineer – Pennsylvania
1986 Professional Engineer - New Jersey
1989 Member of the Bar – Pennsylvania
1989 Member of the Bar - New Jersey
1989 Admitted to the U S District Court for the Eastern District of Pennsylvania
1989 Admitted to the U S District Court for the District of New Jersey
1987-2002 New Jersey Electrical Contractors License
Certified Mediator, New Jersey

MARINE AREA'S OF SPECIALTY

Vessel Equipment Failure Analysis; Corrosion Failures; Mechanical Maintenance and Engineering; Mechanical Engineering.

SUMMARY

35 years direct experience with all types of recreational watercraft operation, maintenance and repair, 30 feet to 60 feet – United States and Europe.

25 years of offshore racing and inland racing experience in the United States and Europe (Baltic and Mediterranean).

MARINE EXPOSURES AND PROFICIENCIES

Power Vessels 30 feet to 85 feet, Recreational/Fishing Windlass

Systems – Running/Anchoring Lights Hydraulic Systems: Engine Deck lifts, Garage Hatch, Swim Platform, Steering/Davits, Crane Electronic Systems: Plotters, GPS, Radar, VHF, Sonar, Depth, Satellite Generator/Shore Power Corrosion Propulsion Systems Thrusters Anchoring Air Conditioning/Heating/HeatPump, Domestic Water, Chillers, Docking Failures, Fueling Plumbing Systems, High/Low Voltage Systems, Propane Systems, Charging/Inverter Systems.

Sail Vessels

All systems noted, above with the following additional systems:

Standing Rigging: Cable and Rod Rigging, Running Rigging, Hydraulic Backstay systems, Sail Inventory, Involuntary Grounding of the Vessel.

Sailboat Racing: Offshore and Inland

Other Experiences:

Vessel Charter/Failure of Charter Firm/Owner to provide safe vessel
Marine Travelift Failure/Haulout/Storage
Marina Docks and Piers

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CAREER HISTORY

FORCON International - Forensic Mechanical Engineer

Conduct forensic engineering investigations and provide expert witness testimony for cases involving HVAC system and plumbing failures, gas explosions, water and steam damage, fire damage, fire suppression failures, and power and control wiring for commercial, industrial and institutional businesses.

HUDSON INTERNATIONAL - Providing expert technical consulting services based on more than 30 years' experience in design/build projects including field supervision of projects involving HVAC, chilled water plants, refrigeration systems including freon and ammonia systems, walk-in freezers/refrigerators, cold storage warehouses, ice builders, blast freezers heated oil projects, heat recovery, geothermal, steam, natural gas, propane, wet/dry fire suppression, plumbing, power and control wiring for commercial, industrial and institutional clients.

Consulting Engineer, HVAC - Clients include Discmakers, Audio Visual Labs, The Union League of Philadelphia, Crowell Corp., Helvoet Pharma.

United States District Court for the District of New Jersey - Mediator/Arbitrator for Magistrate Judges Hedges and Arleo.

Attorney, Construction Law - Solo Practitioner

West Jersey Mechanical Services - CEO and Chief Design Engineer. Duties included design/build engineering, field supervision of mechanical construction (HVAC-Plumbing-Electrical), management, quality assurance/commissioning, electrical power/control installation, specification of wet/dry fire protection systems. Clients included commercial and industrial firms as well as educational institutions located in Eastern Pennsylvania, Southern New Jersey and Delaware.

West Jersey Air Conditioning - Junior Designer, Senior Designer, Commercial Sales, Field Supervisor. Various titles and duties over 14 years of increasing responsibilities. Design/Build projects include chilled water plants, ice builders, high temperature heated oil systems, clean rooms, evaporative spray systems for static control, clean rooms, office air conditioning, hospital surgical O.R.s, heat recovery, waste heat steam boilers, hot water/steam systems, ATC systems.

Manufacturing Engineer/Plant Liaison, Polyester Films, Imperial Chemical Industries.

REPRESENTATIVE CASES – PROPERTY AND CASUALTY

Investigation of the cause of a fire loss aboard 90 foot maritime vessel associated with a failure of the climate control system.

Investigation of a water damage claim aboard a 140 foot maritime vessel where a condensate piping connection was inadvertently connected to condenser water piping drain.

Investigation of a corrosion claim aboard a 300 foot marine vessel under construction.