

## Captain ALAN HUGENOT

425 Burnett Avenue San Francisco, CA. 94131

### NAVAL ARCHITECT - MARINE SURVEYOR – PORT ENGINEER

Prior National Chairman for the Panel on MOTOR YACHTS, Society of Naval Architects & Marine Engineers (SNAME) SMALL CRAFT TECHNICAL COMMITTEE  
USCG Licensed Master (Captain) – Inspected Passenger Vessels, Steam, Motor & Auxiliary Sail, for all US and foreign waters  
Professional Member – National Marine Charter Association / Maritime Consortium, Inc (NMCA)  
Accredited Marine Surveyor (since 2004)  
Certified Coastal Cruising Instructor – American Sail Association (ASA)

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**ALAN HUGENOT**

Naval Architect – Marine Surveyor  
Expert Witness / Consultant

**EXPERIENCED MARINER:** Over 30 years experience in ocean operation and management of yachts and small craft, including super-yachts small passenger vessels, commercial charter vessels and fishing vessels. He is expert on all aspects of HULL, MECHANICAL, ELECTRICAL FIRE PROTECTION and SAFETY. A licensed master (Captain) he is also expert on WEATHER, NAVIGATION, SHIPHANDLING, ENGINE & MECHANICAL OPERATIONS as well as CREW and PASSENGER SAFETY.

**MARINE SURVEYOR:** He performs pre-overhaul surveys, pre-purchase surveys, condition & valuation surveys, machinery and damage surveys, tug and tow surveys, and also provides construction project management as naval architect for subsequent ship yard work. He also does FORENSIC ACCIDENT ANALYSIS on insurance claims, and determines salvage valuations, repair costs and FAIR MARKET VALUATIONS.

**SECURITY CLEARANCE:** From his enlisted days in Naval Intelligence to the present he has held several Navy D.O.D. classified assignments, with SECRET, TOP SECRET and CONFIDENTIAL clearances at Puget Sound Naval Shipyard, Newport News Shipbuilding, Northrup Grumman, Trident Missile Division, Sunnyvale, CA, and in 2007 at ABS Houston

**RECOGNIZED TECHNICAL EXPERT:** He has served as National Chairman of the Motor Yacht and Service Craft Panel of SNAME's Small Craft Technical and Research Committee. He is also an Accredited marine Surveyor (since 2004) and a USCG Licensed Master of Inspected Small Passenger Vessels. He often consults as an expert witness on: OPERATIONS, DOCKSIDE SHIP-HANDLING, DECK MACHINERY LAYOUTS PASSENGER AND CREW SAFETY ISSUES. He often consults as expert witness and expert consultant on:

- ABS Motor Pleasure Yachts (62-MPY 2000),
- ABS Class Rules Steel under 90 M
- British Maritime & Coastguard Agency MCA-LY2 (MSM-1792M) Large Commercial Yacht Code
- ABYC STANDARDS for pleasure vessels
- NFPA Standards for pleasure vessels, docks & mooring facilities.
- US Code - Title 46 CFR Sub Chapters C,H,T,K & I

For 9 years he served on the NFPA technical committee on Marine Fire Boats.

**QUALIFIED EXPERT WITNESS:** Judges in Federal and state courts (CA, NY, & WA) have qualified him as EXPERT MARITIME WITNESS and he has delivered expert testimony from the witness stand in court, depositions, and written opinions on:

- Vessel operations, crew & passenger safety
- Weather and sea conditions
- Forensic navigation tracking in smuggling cases in Federal court.
- Vessel design, safety, and stability
- Fair market valuations
- Vessel material conditions

#### **NAVAL ARCHITECT / YACHT DESIGNER:**

His design experience has familiarized him with the interplay of design vision against the regulatory requirements and where compromises often occur. He has re-designed numerous vessels to suit new regulatory requirements overseeing the installation in the shipyard.

#### **FORENSIC INVESTIGATOR:**

He is often called in as an Expert Witness to analyze the facts and render an opinion as to the proximate causes of fires, sinkings, collisions, groundings, and operational errors resulting in personal injury. He has also served on long term assignment for three years as Expert Consultant to ABS – Interpreting the Rules for building and classing steel vessels and Pleasure motor yachts.

## SERVICES PROVIDED:

- **Expert Opinions & Expert Witness:** He has written dozens of expert opinions, rendered dozens of expert depositions and been examined in the witness stand numerous times as a qualified expert in maritime cases in both the Federal and state courts. He writes in a lucid style that is easily understood by non-technical juries and judges and he gets the crucial points across in comprehensive language. See separate LIST of CASES.
- **Naval Architect and Engineering Services:** New construction, repair & refitting of small craft and commercial vessels and supervising maintenance and repair of small craft constructed of wood, fiberglass, steel and aluminum up to 200 tons, including the hands on rebuilding of diesel engines from 80 to 450 hp.
- **Marine Surveys:** He has been surveying commercial charter vessels, yachts and small passenger vessels for over 30 years including pre-purchase surveys, condition and valuation surveys, forensic and damage assessments aboard vessels constructed of wood, fiberglass, steel, aluminum and ferro-cement. He is expert with the requirements of USCG, ABS, MCA, ABYC, NFPA, NMMA, and SNAME.
- **Ships Master & Operating Engineer:** Over 30 years he has served as Captain of inspected small passenger vessels, power and sail, and as Designated Duty Engineer and Chief Engineer with diesel and gasoline propulsion up to 1500 hp. He served in the US Navy as navigator aboard a 2700 ton destroyer and has extensive offshore experience aboard charter ketches and schooners in the eastern Pacific from Alaska to Mexico, in the Atlantic from Main to Florida, and the gulf of Mexico and the Caribbean.

## EDUCATION:

U.S. Navy Fire Fighting & Damage Control Orientation School, U.S. Naval Training Facility, San Diego, CA.  
U.S. Navy Piloting & Navigation School (Quartermaster A School) Naval Training Center Newport, R.I.  
Unlimited Radar Observer & Radar Simulator Training, California Maritime Academy, Vallejo, CA.  
Master-Mariner – Inspected Passenger Vessels 200 tons (Superyachts) California Maritime Academy, Vallejo, CA.  
Associate of Engineering (AE) Mechanical Engineering, Oregon Institute of Technology - Graduated  
Bachelor of Science (BSME) Mechanical Engineering, Oregon Institute of Technology - Completed 4 years  
First Year Law School (LLB) Contracts, Torts, Criminal law, Southern California University - Completed 1 year

## PROFESSIONAL MEMBERSHIPS LICENSES & CERTIFICATIONS:

Member Society of Naval Architects & Marine Engineers (**SNAME**) Member since 1982  
Current National Chairman SNAME Panel on MOTOR YACHTS & SERVICE CRAFT  
Active in Pacific Northwest Section, Hampton Rhodes Section, Houston & Northern California Sections  
Presiding Officer SNAME Superyacht Symposium Ft. Lauderdale

Member National Fire Protection Association (**NFPA**)  
1999 - 2006, Member NFPA Technical Committee on MARINE FIRE BOATS

Member American Boat & Yacht Council (**ABYC**)  
2000 – Present, Member Project Technical Committee on HULL PIPING & Project Technical Committee on Electrical

CERTIFIED NICET Level IV **MECHANICAL ENGINEERING & PROCESS PIPING TECHNOLOGY** - 1984  
CERTIFIED - FIRE PROTECTION, Washington State Level III, Residential, Commercial & Industrial Fire Protection

**LICENSED MASTER (Captain)** – Inspected Small Passenger Vessels, up to 200 tons, Steam, Motor and Auxiliary Sail.  
Master Mariner since 1988

ACCREDITED MARINE SURVEYOR (certified in 2004), USCG COMMERCIAL FISHING VESSEL SAFETY INSPECTOR

## PROFESSIONAL AWARDS:

- Letter of Commendation & Certificate of Appreciation - Department of the Navy For Engineering Suggestion **resulting in a savings of over \$ 4,000,000.00**
- Letter of Commendation – Manager Engineering & Planning, Exxon Shipping Company This action **resulted in a cost savings of over \$475,000.00**
- Six Certificates of Appreciation - Boeing Commercial Airplane Company each for outstanding Cost Savings

**PUBLISHED BOATING WRITER:** Captain Hugenot has published over 100 articles in the popular pleasure boating media and wrote a monthly column for eight years in SEA MAGAZINE, he has published in several other boating magazines including DOCKSIDE, LATITUDE 38, CRUISING WORLD, 48 DEGREES NORTH, SANTANA, LOG NEWSPAPERS AND BOATING NEWS. He has published numerous articles online in MadMariner. Articles can be downloaded from his website at [www.captainhugenot.com](http://www.captainhugenot.com)

**NATIONALLY RECOGNIZED TECHNICAL STANDARDS EDITOR:** Captain Hugenot has served on several national technical committees, writing marine design and construction standards for standards agencies. SNAME, NFPA & ABYC, as follows.

- **Chairman** - Small Craft Committee Panel SC-4 (Service Craft & Motor Yachts), Society of Naval Architects and Marine Engineers,
- **Principal Member** - Technical Committee on Marine Fire Fighting Vessels, National Fire Protection Association, Writing & editing NFPA 1925 Standard on Marine Fire-Fighting Vessels.
- **Member** - American Boat & Yacht Council, Serving as advisory member on Hull Piping Committee, and Electrical Committee.
- He also wrote technical design reviews on contract for ABS for three years, analyzing all systems and locating design flaws.

## PUBLISHED BOATING WRITER:

Captain Hugenot writes professionally with a monthly column for the last seven years for **SEA MAGAZINE**, America's Western Boating Magazine as a staff writer. He has also had articles published in several other boating magazines including **DOCKSIDE**, **LATITUDE 38**, and **48 DEGREES NORTH**. For the last eight years he has demonstrated his skill at reducing marine technology to simple understandable terms. All of these articles are available for download from his website at [www.captainhugenot.com](http://www.captainhugenot.com) just click on **WHITE PAPERS** and 75 published titles come up.

## EMPLOYMENT EXPERIENCE:

Dec 1995 - Present 16 years

**Independent Naval Architect - Marine Engineering Consultant:** CEO, **Alan Ross Hugenot, Inc.**  
EXPERT WITNESS, FORENSIC ANALYSIS, INSURANCE INVESTIGATIONS & DAMAGE ASSESSMENTS, SURVEYS of passenger commercial and service craft, DESIGN of yachts and small craft, SALES and Yacht Brokerage.

**2001** **Relief Master** – Passenger Charters 196 ton 100ft (Former Navy Tug Boat)

**2004-Present** **Advisory consultant to ABYC** Project committees on Jull Piping & marine Electrical regarding ABYC Standards.

**1998 – 2010** **Expert witness & forensic investigator** of vessel thefts, shipboard fires, personal injury casualty and loss, mechanical and structural damages engine failures, sinkings, collisions and groundings. Called in to survey the facts and provide expert analysis of failures and proximate causes. Working for over 20 different maritime law firms.

**2007 – 2010** **Yacht Master & Port Engineer:** M/V St. Elias 24.5 meter (85 ft) 900hp, Maxi-pleasure yacht. Moored at Alameda California, Cruising Inland & coastal waters of central California coast. Overseeing installation of \$30,000 Furuno Nav-3-D electronics upgrade & FLIRT night vision.

**2005-2006** **Ship Engineering Department:** Long term **Expert Consultant services to ABS-Americas** At the Houston headquarters interpreting the ABS Rules for Steel Vessels, Rules for Steel Vessels (Under 90 Meters) and Rules for Steel Vessels on Rivers and Intracoastal Waterways.  
Prototype New Aker Tankers – All piping & mechanical  
Spirit of Oceanis - Cruise West Passenger Vessel  
Former Chevron GT Tanker Conversion for new owners  
Repowering & refurbishment of Great Lakes Bulker

**2006 – 2007** **ABS Naval Engineering Department:** Long term **Expert Consultant services to ABS-Americas** At the Houston headquarters interpreting the Naval Vessel Rules (NVR) and the Rules for High Speed Naval Craft (HSNC). And also reviewing plans for Superyachts being built at Trinity Yachts (Gulfport) and Christensen Yachts, and Westport Yachts (Washington State) to the ABS Motor Pleasure Yacht Guide, and the British Commonwealth Rules MCA-LY-1 & LY-2.  
19 superyacht hulls for Trinity, Christensen & Westport Yachts:  
DDG-1000 Zumwalt Class  
Marina Mexicana Oaxaca Class Patrol Vessel  
Egyptian navy High Speed Naval Craft  
U.S. Army 886 ton Landing Craft  
NYC Fast Response Fire Boat

**Aug-Oct 2007** **Houston Offshore Engineering – Expert Consultant Offshore Platforms Plans Review ABS –Americas** Interpreting to ABS Rules for Mobile Offshore Drilling Units (MODU), Offshore Platforms, & Single Point Moorings, Foam systems, Helicopter refueling facilities, and all crude oil piping systems. Offshore Platforms and projects reviewed included:  
Songa Saturn Global Santa Fe – GSF-135  
Songa Neptune SOFEC Rang Dong  
Noble Danny Atkins SOFEC Termac  
Shenzi TLP Hercules 26

**2003—2004 (2 yr)** **EXPERT WITNESS** Concurrent independent consultations, writing opinions and appearing as Expert Witness, in various maritime cases being litigated before the U.S. Federal District Court at San Francisco. and San Jose. On Contract to **U.S. Immigration Service** and the **U.S. Department of Justice**.  
Active participation with **Northern California Section SNAME**.

**May 1997 – 1998** **Northrop Grumman, Marine Systems**, Sunnyvale, CA  
**2 yr.** **Marine survey & forensic analysis** of failures, test engineering & redesign of Navy shipboard tactical systems for Trident Submarine Project Maintenance.  
Active participation with **Northern California Section SNAME**.

**1995 – 1996** **NEWPORT NEWS SHIPBUILDING: EXPERT CONSULTANT on OCEAN TANKERS** re-designing(4) Double Eagle Tankers (34M each). This involved all Cargo Oil piping and pumping, Segregated Ballast piping systems, Inter Gas Generators, and Hydrocarbon Vapor Exchange systems, heavy diesel and lube oil centrifuge systems, settling tanks and steam heating systems as well as all piping and

pumping systems. My task was to simplify the design which had been designed by former submarine designers not used to tankers and had huge cost overruns.  
Active participation with **Hampton Roads Section of SNAME**.

- May 1999  
Present
- Master & Port Engineer** SMALL PASSENGER VESSELS- INLAND & NEAR COASTAL  
After relocating from Puget Sound to San Francisco. Captain Hugenot worked for one Summer and Fall for the local excursion & dining yacht company in order to thoroughly learn the waters of San Francisco Bay and approaches. Operating 6 different vessel from 60 to 185 feet, and between 75 and 1000 Passengers. Hugenot served as Master on over 100 excursion cruises on San Francisco Bay and out the Golden Gate:  
Continuing since that time as charter skipper of numerous commercial craft:  
M/V CAPTAIN HORNBLOWER-60ft, 45 t, 75 pass.  
M/V ADMIRAL HORNBLOWER, 60 ft, 45 t 75 pass.  
M/V COMMODORE HORNBLOWER, 90ft, 69 t 150 pass.  
M/V EMPRESS HORNBLOWER, 100ft, 69 t, 500 pass..  
M/V SUNSET HORNBLOWER, 110ft, 91t, 350 pass.  
M/V MONTE CARLO, 145ft, 99 t, 575 passengers.  
M/V CALIFORNIA HORNBLOWER,185 ft, 97 t, 1000 passengers.  
M/V BILLY BUDD 15 tons 6 passengers  
M/V MARINE SUEVEYOR 9 tons  
M/V WENONA 230 tons 1500 hp  
M/V ATLANTUS 55 tons 450 hp  
M/V St. ELIAS 78 tons 900 hp  
M/V MAZAPETA 196 tons 1300 hp
- May 1997 -  
2003
- Master & Chief Engineer** SMALL PASSENGER VESSELS - NEAR COASTAL  
**Schooner Vagabond**, San Francisco, CA. 9 ton Uninspected Passenger Vessel, 15 hp.  
Operating Master and Ship's Chief Naval Architect/Marine Surveyor for winter lay-ups planning all mechanical maintenance and repairs. Vessel made charter cruises on the Central California Coast between Point Pinos (Monterey) and Point Reyes. Carrying up to 6 passengers on Coastal Cruises under sail.
- Jun 1994 -  
Feb 1997
- Master & Chief Engineer** SMALL PASSENGER VESSELS - NEAR COASTAL  
Herreshoff **Ketch Seeadler**, Seattle, WA. 7.5 ton Uninspected Passenger Vessel, 9 hp.  
Operating Master and Ship's Chief Naval Architect/Marine Surveyor for winter lay-ups  
Ship's Officer planning all mechanical maintenance and repair, replaced the main engine.  
Vessel made charter cruises on Puget Sound, Straight of Juan D' Fuca, West Coast of Vancouver Island, B.C. and North Pacific Coast from Cape Flattery to San Francisco.
- Jun 1992 -  
Oct 1995
- Chief Engineer** SMALL PASSENGER VESSELS -NEAR COASTAL  
**Schooner Zodiac**, Seattle, WA.149 ton Inspected Small Passenger Vessel, 600 hp.  
Ship's Chief Naval Architect and Marine Engineer for winter lay-ups planning all mechanical maintenance and repair and the rebuild of main engines. Captain Hugenot served aboard as Chief Operating Engineer on cruises on the Inland Waters of Puget Sound , San Juan Islands, of Washington State, and the Straight of Georgia and the Gulf Islands of B.C.
- Nov 1984 -  
Feb 1992
- Master & Chief Engineer** SMALL PASSENGER VESSELS - NEAR COASTAL  
**Gaff Ketch Yankee Clipper** , Seattle, WA. 30 ton Inspected Passenger Vessel, 130 hp.  
Operating Master and Ship's Chief Naval Architect/Marine Surveyor for winter lay-ups planning all mechanical maintenance and repair, rebuilt the main engine. Survey prior to U.S.C.G. marine inspections, including subsequent attendance with U.S.C.G. inspectors during all required inspections of hull and machinery. Captain Hugenot served as Master on cruises off the West Coast of Vancouver Island, The North Pacific Coast of Washington State, and the Inland Passage in British Columbia and SE Alaska  
A.S.A. Certified Chief Sailing Instructor  
A.R.C. Certified Sailing Instructor
- Nov 1984 -  
Feb 1992  
7 yrs 4 mo  
Ship's Officer
- Master & Chief Engineer** SMALL PASSENGER VESSEL operating 4 to 8 days a month  
S/V Ketch Yankee Clipper , Seattle, WA. 30 ton Inspected Small Passenger Vessel, Operating Master and Ship's Chief Naval Architect/Marine Surveyor for winter lay-ups planning all mechanical maintenance and repair, rebuilt the main engine. Survey prior to U.S.C.G. marine inspections, including subsequent attendance with U.S.C.G. inspectors during all required inspections of hull and machinery with occasional service aboard:  
M/V WHIDBEY, 70 tons, 750 hp 49 passengers, M/V PROPELLER, 70 tons, 750 hp 49 passengers  
M/V POSEIDON, 65 tons, 500 hp 49 passengers,
- Nov 1977 -  
Jul 1979  
**1 yrs 8 mo.**  
**Ship's Officer**
- Captain / Chief Engineer** SMALL PASSENGER VESSEL operating 4 to 8 days per month  
M/V POSEIDON, Poulsbo, WA. 65 tons, 500 hp 49 passengers Operating Master and Ship's Chief Naval Architect/Marine Surveyor for winter lay-ups planning all mechanical maintenance and repair, rebuilt the main engine. Survey prior to U.S.C.G. marine inspections, including subsequent attendance with U.S.C.G. inspectors during all required inspections of hull and machinery. Near Coastal waters of U.S. Pacific NW Coast, Portland OR to Seward, Alaska.

1978 - **Project Engineer / Marine Engineer: COMMERCIAL SHIPPING – OCEAN TANKERS**  
1985 Principal surveyor, Marine Department Schuchart & Assoc. Seattle, WA, Condition & Valuation surveys and engineering design of conversions and retrofits for 18 separate U.S. Flag tankers, verify compliance with ABS, USCG, and IMCO requirements. Subcontracted to **Exxon Shipping** Company, Houston TX, **Chevron Shipping** Company, Pt. Richmond, CA., and Nickum & Spaulding, Seattle, WA.  
Active participation with **Pacific Northwest Section of SNAME & ASNE.**  
**1982 - Letter of Commendation**, Exxon Shipping for cost savings

Jun 1978 - **Design Engineer / Project Manager: COMMERCIAL SHIPPING – PASSENGER VESSELS**  
May 1979 Marine Power & Equipment Seattle, Washington, Design of mechanical systems for **New Evergreen class of cross-sound ferries**. Supervision of construction of 6 ships in the class, including design of Mechanical, Fire Protection, Plumbing, Structural, Hazardous Chemicals, Electrical, Structures and Foundations, Also included design of fishing vessels  
Active participation with **Pacific Northwest Section of SNAME & ASNE.**

Nov 1977 - **Design Project Engineer: COMMERCIAL SHIPPING & WARSHIPS**  
Jun 1978 **Tacoma Boatbuilding Company**, Tacoma, Washington, Design of mechanical systems for fishing & commercial vessels Supervision of construction of class of 6 tugboats including design of Mechanical, Fire Protection, Plumbing, Structural, Hazardous Chemicals, Electrical, Structures and Foundations, included design of USCG Medium Endurance Cutters.  
Active participation with **Pacific Northwest Section of SNAME.**

Oct 1973 - **Captain / Chief Engineer** SMALL PASSENGER VESSEL operating 4 to 8 days per month  
Nov 1977 M/V SINCLAIR, Bremerton, WA. 25 tons, 450 hp 26 passengers Operating Master and Chief Naval Architect/Marine Surveyor for winter lay-ups planning all mechanical maintenance and repair, rebuilt the main engine. Survey prior to U.S.C.G. marine inspections, including subsequent attendance with U.S.C.G. inspectors during all required inspections of hull and machinery. Near Coastal waters of U.S. Pacific NW Coast, Portland OR to Seward, Alaska.  
**4 yrs 1 mo.**  
**Ship's Officer**

Nov 1973 - **Project Engineer/ Marine Engineer: NAVAL WARSHIPS Puget Sound Naval Shipyard**  
Nov 1977 Design Division, Bremerton, Washington, Our work involved the Marine Surveys of condition and valuation for design of conversions retrofits and overhauls for surface warships, nuclear submarines, and aircraft carriers to NAVSEA and MIL standards. **Work involved:** travel to ship at U.S. or foreign port, performance of detailed survey and measurements, return to shipyard design office to write survey reports (Advanced Work Requirements), complete engineering design, estimating of time and materials, acquire funding approvals, oversee construction, and conduct subsequent sea trials.  
**1978 - Letter of Commendation**, from NAVSEA for cost savings  
Active participation with **Pacific Northwest Section of SNAME.**

Feb 1971 – **Captain / Chief Engineer** SMALL PASSENGER VESSEL operating 4 to 8 days per month  
Sep 1973 M/V LARRY PEYTON 15 tons, 180 hp 31 passengers Operating Master and Ship's Chief Naval Architect/Marine Surveyor for winter lay-ups planning all mechanical maintenance and repair, rebuilt the main engine. Survey prior to U.S.C.G. marine inspections, including subsequent attendance with U.S.C.G. inspectors during all required inspections of hull and machinery. Near Coastal waters of U.S. Pacific NW Coast, Portland OR to Seward, Alaska.  
**2 yrs 7 mo.**  
**Ship's Officer**

1967 - 1968 **Active Duty U.S. Navy: NAVAL WARSHIPS** Petty Officer aboard Gearing class Destroyer USS WILLIAM C. LAWE (DD 763). Leader of 8 man fire fighting and damage control team, Quartermaster of the Watch (Navigator) maintenance of P-250 pumps and AFFF foam generators, painting and maintenance. overhaul at Charleston Naval Shipyard while aboard. North Atlantic & Caribbean, Eastern North Pacific, Western North