

ROBERT A. OJALA – CAREER PROFILE

Contact Information

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Education and Certifications

- University of Michigan - B.S.E. in Naval Architecture, 1970
P.E. (EIT) Exam passed 1970, State of Michigan
- Previous Inspector of The National Board of Boiler and Pressure Vessel Inspectors, Vermont
- Previously Certified Welding Inspector by The American Welding Society (AWS-CWI)
- Previously Certified Level II UT, MT and PT, NDT procedures (A.B.S.)
- Condition Monitoring Course, New York Maritime Academy
- Past Member of S.N.A.M.E.(Society of Naval Architects and Marine Engineers)
- Past Member of the American Welding Society
- Past Member of N.A.M.S.(National Association of Marine Surveyors)
- Previously Certified RCP-Auditor, American Waterways Operators
- American Society of Appraisors Class (USPAP)
- Assessment of Quality Management Systems, Certified Auditing Class (ISO 9000)
- Past Member ABYC

Employment History

Apr 2009-Aug 2017: U.S. Army Corps of Engineers, Chicago, IL
Lock Maintenance Engineer

May 1988-Present: **A3PI Services, Inc.** (now A3Pi Services, LLC) Milwaukee, WI
Owner; Consultant, Naval Architect, Marine Surveyor, Auditor

Duties and Responsibilities:

Marine Consulting and Surveys including the following:

- Investigations and consulting
- New construction representation
- Hull and machinery damage (Owner/Underwriter)
- Condition and valuation (Ships, barge,s and tugs)
- Towing approvals and cargo stowage plans
- On and off-charter condition surveys, repair estimates
- Salvage planning and supervision
- Environmental compliance audits/oil record book training
- Underwriter surveys (pre-insurance conditions, accident investigations, surveys, repair specifications)

Industrial Audits and Inspections including:

- Quality assurance audits per client specs.
- Machinery tests - third party inspection

Material Test and Inspection, NDT witness

- Pressure vessel fabrication, test representation
- Steel fabrication and welding, AWS-CWI
- Machine parts inspection and reporting
- Material thickness testing and reports
- Various third party inspections

Naval Architecture Services including:

- Hull design and modifications
- Stability, salvage, other technical projects
- U.S. Coast Guard passenger vessel approvals
- Small modification project drawings and approvals
- Legal expert witness and consultant

Jan 1974-May 1990: **American Bureau of Shipping**, Oak Brook, IL

Marine Surveyor and Industrial Auditor/Inspector

Duties and Responsibilities:

Inspect ships, barges, materials and machinery. Safety and structural examinations, approval of repairs, admeasurement surveys, all SOLAS/IOPP Surveys. Audit diesel, steel mill and Type Approved plants to ABS Q.C. standards and represent client specifications for private, federal and foreign interests. Complete report writing responsibilities for all these duties.

May 1972-Jan 1974: **Waukesha Engine Company**, Waukesha, WI

Marine Sales Engineer

Duties and Responsibilities:

Responsible for application engineering and installation of marine diesel and auxiliary sales. Visit marine engine owners and shipyards as required to solve installation problems. Write Marine Installation Manual. Satisfy requirements of marine regulatory bodies.

1970-May 1972: **Dubuque Boat & Boiler Company**, Dubuque, IA

Vice-President of Engineering

Duties and Responsibilities:

Total responsibility for design of passenger vessels, towboats and barges; supervise draftsmen and specify purchasing requirements. Oversee production techniques and procedures. Assist in pricing, bidding and contracts.

Specific Experience

Design and Technical Services

- U.S.C.G. Passenger vessel design and consulting
- Conversion drawings, layout and design services
- Drydock and vessel stability studies
- Owner representation for construction and conversion
- Legal expert witness/consultant on several projects per year

Marine Surveys

- New construction
- Admeasurement dimensions, stability, U.S.C.G. approvals
- Hull and machinery damage and repair surveys, ships and barges
- Accident investigations/Underwriter representation
- Vessel salvage planning and supervision
- Cargo gear and shipboard crane surveys
- All Classification, SOLAS, IOPP and load line surveys/environmental compliance
- Cargo condition surveys, cargo loading/stowage, damage
- Yacht condition and valuation, Underwriter surveys
- Bridge inspection and damage surveys
- Environmental audits, consulting, training

Industrial Surveys

- Quality assurance audits, inspection plans, export inspections
- Machinery; Pielstick, EMD, Caterpillar, Waukesha, Falk, various boilers and electric equipment, pump tests (NPSH and Operating), hydraulics, etc.
- Materials, test and inspection; Steel plate, pipe, boiler tubing, forgings, castings, weld wire and rod, aluminum, propellers, familiar with most laboratory testing.
- Steel fabrication and welding (ASME, AWS, ABS requirements)

Also refer to COMPANY PROFILE - A3PI Services, LLC. for further details