

Website: www.FEASI.com

P.O. Box 4101
Chula Vista Ca 91909
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CURRICULUM VITAE OF BRANSFORD PICKETT PE

SUMMARY OF EXPERTISE

Expertise includes design and review of material handling equipment, material handling management, and ship board systems. The combination of field expertise, engineering, and regulatory compliance provide clients with a complete package of services. The depth and breadth of my expertise covers many successful design projects including commercial and military ships, many complex material handling activities, testing requirements of shipboard system, and development and implementation of compliance programs.

Many of the major projects include first of a kind challenges: Exxon Valdez post-accident docking and structural repairs, commission testing of navy auxiliary ships' equipment including fueling systems, the US Navy Shughart Class Container Ship Conversion program, as well as shaft and appurtenance handling on the US Navy Watson Class ships. Included in these projects were planned engineered multi-crane lifts that reached in excess of 400 tons. These projects focused on safe, economic, simple designs compliant with applicable state and federal regulations, and national standards.

My expertise combined with a California Registered Professional Engineer's license allows me to bring a multi-dimensional approach to accident investigation and reconstruction, and engineering analysis to clients.

PROJECT SAMPLE SUMMARY

Material Handling Activity Summary								
Ships Repaired and Constructed	Design Task Max Load	Estimated Planned Engineered Rigging Tasks				Supervised Service Lifts	Engineering	Compliance to OSHA, Industry Standards, Military Standards
		Crane Tasks	Rigging Tasks	Commissioning Load Test	BTH/Jig Devices			
150 plus	1000000 lbs	5000 plus Planned Engineered Lifts and Jig Designs				300,000 plus	80 plus	700 plus pieces of equipment

COURT APPEARANCE

Currently qualified as an expert witness in the State of New York Supreme Court, in the matter of the State of New York versus William Rapetti and Rapetti Rigging Services, Inc.

INVESTIGATIONS AND DEPOSITION APPEARANCES

Has completed several investigations and depositions across several case types including: Aerial Devices, Cranes, Drydocks, Chain and Lever Hoists, slings, rigging hardware, forklifts, Below-The Hook devices, Cofferdams, Engineering Design Reviews, Hydraulic Lifts, Jacks, NCCCO Crane Operator Training, Forklift Operator Training, Compliance to OSHA, ANSI, ASME and International Standards.



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EMPLOYMENT HISTORY

**Fairbanks Morse Engine
San Diego, Ca
Senior Manager**

2008 – 2010

Technical Areas of Specialization: Provide consultation and litigation services on material handling and engineering nationally and internationally supporting of attorneys, insurance and end user companies. Services include accident investigation and reconstruction of equipment failures and personnel injuries, evaluation and review of equipment management, equipment operation, personnel training, as well as regulatory compliance. Engineering covers lift design evaluation, planning and review, naval architecture and marine engineering and project management.

Equipment and Compliance

Accident
Investigation

Accident investigation and reconstruction services include equipment failure and personnel injury associated with the following list of equipment:

- Man baskets, Forklifts, Scissors lifts, Aerial Lifts, Rigging Gear, Hydraulic Jacks and Lift Systems, Conveyors, Pallet and Packages Conveyors, Pneumatic Systems, Machine tools, Boats, Barges, and Elevators.
- Tower, Mobile, Bridge, Truck, Portal, Container, Jib and Floating Barge Cranes, and Derricks
- Operator training compliance to National Commission for the Certification of Crane Operators, NCCCO, requirements for tower crane, mobile crane, overhead crane, articulating crane operator training and certification, signal person, and rigger certification.
- Compliance covers applicable national and international standards that include the ABS, ASTM, ASM, ASME, ANSI, WSTDA, ALI, etc. and DIN, EN, FEM to list a few. National regulations include state and federal OSHA requirements as well as DOE, military specifications and standards.

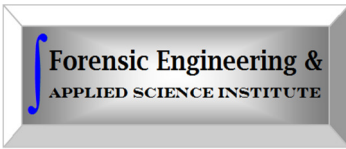
Engineering

Engineered Material Handling Design and Review

Services include single and multi-crane lift plans, material transport, and equipment testing. Design, review and analysis of supporting calculation of stresses imposed on lifting, supporting structure, and material handling equipment, and rigging gear. Equipment specification scope and review.

Naval Architecture & Marine Engineering

Perform intact, damage and probabilistic damage stability, and structural analysis on marine structures including barges, ships, and complimentary structures in accordance with regulatory bodies; ABS, Federal or State government.



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Managed Western Region Diesel Engine maintenance and repair services across 13 Western States, and Pacific Rim Countries including Japan, Singapore, South Korea, Philippines, and Guam. Employed 45-person team of service engineers, planners, and technicians, with \$ 9 million in assets under supervision. Diesel engine service covered following areas: Stationary Power Plants, Peaking Power plants, Commercial and Military ship installations and nuclear facilities.

- ✓ Improve year over year safety, health and environmental compliance targets for personnel and facility.
- ✓ Achieved and surpassed annual revenue targets of service division through implementation of the strategic growth plan.
 - Partnered with parts manufacturer on inventory management and optimization
 - Joint labor initiatives with ship repair facilities
 - Expand licensing joint venture initiative

Achieve Compound Annual Growth Rate of 56% for the 2008 to 2010 while maintaining a gross margin of 39%.

National Steel and Shipbuilding Company **1984 to 2008**
San Diego, Ca

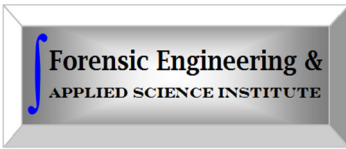
Initial Design and Naval Architecture Department **2005 – 2008**
Senior Supervisor Engineer

Supervised ships functional design across several areas to include hydrodynamics, ship structure, hull resistance and powering, damage and intact stability, and hull borne vibration analyses on both military and commercial ship contracts. Managed all American Bureau of Shipping rules compliance and submittals. Lead customer product design review conferences on design validation on mission critical systems.

Lead the 13-person engineer team on activities that included ship conversion and repair. Responsibility included all ship docking for floating drydocks and graving docks, launches, inclinings, structural and vibration surveys, and UWILD programs.

Successfully completed the design of the United States Navy T-AKE Ammunition Auxiliary Dry Cargo Carrier, 14-ship program valued at \$6 billion. Lead the naval architecture contract support on the US Navy LPD 17, USS San Antonio west coast completion.

Successfully negotiated engineering partnering contracts with several international shipyards including Korea and Japan on a 9-ship commercial product tanker program.



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Maintenance Department Senior Reliability Engineer

2002 – 2005

Responsible for 126-acre shipbuilding facility of equipment and distribution systems uptime performance and cost reduction. Managed all new equipment installation, life extension upgrades, repairs and maintenance. Oversee an annual budget of \$20 million and a team of 16 planners, engineers, staff personnel and interns. Instituted an aggressive objective based performance preventive maintenance program on key production equipment across five maintenance shops. The program included:

- ✓ Revamped 6500 preventative maintenance and predictive maintenance activities.
 - Implemented a disciplined planning and scheduling program for all critical equipment
 - Instituted a failure analysis team of maintainers, management and end users
 - Improved data collection, and reporting accuracy in the Computerized Maintenance Management System.
 - Improved spare parts availability by partnering large regional and national suppliers.

- ✓ Achieved major cost and performance benefits:
 - Reduced work backlog from approximately 12 weeks to 6 weeks
 - Increase craft tool time from 30% to 45% over a two year period
 - Improved equipment availability of production gate way equipment from 68% to 89%
 - Reduced overtime across three shifts by 15%
 - Reduced annual maintenance budget by \$3 million
 - Reduce inventory by \$0.5 million and increase turns from 2.5 to 6
 - Implemented a circuit board repair plan

Rigging and Transportation Department Production Engineer

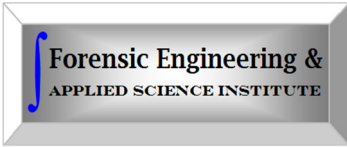
1987-2002

Responsibility span several key areas of operation; Equipment and personnel compliance to state, federal regulations and industry standards, engineering of multi-crane lifts, test jig and fixture design, structural and mechanical commissioning load test of shipboard and facility equipment, and accident investigation.

Developed a companywide material handling Compliance Program for equipment with lift capacities up to 800,000 pounds. Performed an equipment and personnel baseline audit by engineering companies, equipment manufactures, and consultants to generate key areas of deficiencies. The program instituted manufacturer and regulatory mandated daily and periodic inspections. The program covered in excess of 2000 pieces of equipment to include cranes, forklifts, trucks and hoists.

Developed, implemented and maintained Equipment Operator Training and Qualification Programs to satisfy all requirements of Federal OSHA, California OSHA and American National Standards B30 and B56 documents. Training programs covered crane operation, rigging skills and practices and industrial truck operation. Monitored compliance and performance of all programs to ensure adherence and quality. Directed independent periodic compliance audits Performed structural and mechanical design for rigging tasks covering:

- Multi crane lift for 400-ton ship structures
- Test Rigs for US Navy Auxiliary ships including replenishment and fueling systems



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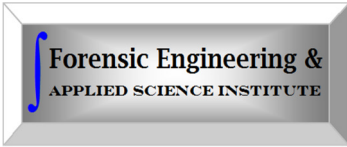
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- Mooring systems test loads of 1 million pounds
- Removal and installation of ship underwater appurtenances

Achieved the highest level rigging safety performance across the shipyard.
Reduce cycle time and cost of shipboard structural and mechanical commission testing.

Material Handling Compliance Program for Equipment and Personnel Details

Item Count	Description
4	100 ton Chain falls,
5	55-ton pneumatic chain falls, Lifting Gear,
2	400-ton Hydraulic 4Point Lifting System Jacks,
11	Mobile tower cranes, Portal Cranes
140	Overhead and jib cranes
15	Trailers
3	Truck Cranes,
5	Hydraulic Boom Lift Truck,
3	Fixed Tower Cranes
60	Industrial Fork Trucks
4	Hydraulic Cranes
7	Busses and Trucks
45	Carts and Trailers
1	Full-function Rigging Fabrication and Hoist Repair and Test Facility
20	Spreader Bars with load charts
200	Pressure grip devices
400+	Hoists; Chain-Falls and Come-a-longs
100s	Wire rope and Synthetic Slings
1	Crane Operator Training Programs
1	Forklift Operator Training Program
1	Full Service Advance Rigger/ Signal Person Training Program
1	Rigging School Training Program



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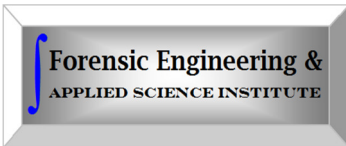
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Ships Management Project Manager

1984 – 1987

Served as project manager for the construction and refurbishment of the ship's main propulsion machinery space, auxiliary machinery space, refrigeration plant, and oxygen producing plant on a state-of-the-art Naval hospital ships. Integrated schedule requirements across all trades and subcontractors. Planned and scheduled work activities in accordance with the work breakdown structure including major milestones, test, and delivery goals of contracts. Ensured project quality met all regulatory requirements, including those of the Coast Guard, America Bureau of Shipping, Public Health Service, other federal agencies.

Successfully managed project schedules achieving a 9-week early completion of all machinery spaces.



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PRESENTATION AND TRAINING CLASSES CONDUCTED

- ✓ Confined Space
- ✓ Forklift, Industrial Powered Lifts Class and Practical Training
- ✓ Personal Protection Equipment
- ✓ Ergonomics
- ✓ Machining Guarding
- ✓ Confined Spaces
- ✓ Housekeeping
- ✓ Basic and Advance Rigging
- ✓ Respirator
- ✓ Hand and Power Tool
- ✓ Tower Crane Operator Training Qualification
- ✓ Portal Crane Operator Training Qualification
- ✓ Mobile Hydraulic Crane Operator Qualification
- ✓ Forklift, Industrial Powered Trucks Operator Qualification
- ✓ Basic Rigging for Shipyard Trades
- ✓ Advance Rigging for Journeyman
- ✓ Practical Rigging for Shipyard Trades

TRAINING AND DEVELOPMENT

- ✓ Cost Schedule Control Systems criteria
National Steel and Shipbuilding, San Diego, CA
- ✓ Crosby Rigging Equipment Training, Risk and Compliance
National Steel and Shipbuilding, San Diego, CA
- ✓ Shipyard Competent Person Course. Covered confined space safety, chemical exposure limits, inspection procedures and documentation requirements.
National Steel and Shipbuilding, San Diego, CA
- ✓ Scaffolding Safety and Inspection Course. Covered the safety and regulatory requirements of scaffold structures as well as operational inspections.
National Steel and Shipbuilding, San Diego, CA
- ✓ High Reach Equipment Inspection and Operation Course. Covered the pre-operation inspection and safe operating practices for equipment up to 126 feet in reach
National Steel and Shipbuilding, San Diego, CA
- ✓ Fall Protection Course, training in inspection, and safe operating practices
National Steel and Shipbuilding, San Diego, CA

Date: 02/23/2012

CV Forensic Eng 2-23-2012



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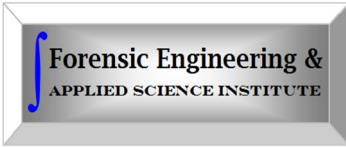
- ✓ Hazard communication course, training in identifying, protection and handling hazardous materials.
National Steel and Shipbuilding, San Diego, CA
- ✓ Safety, inspection and regulatory compliance of rigging hardware, and lift equipment.
National Steel and Shipbuilding, San Diego, CA
- ✓ Crane and Rigging Training and Regulatory Compliance
NACB, West, Las Vegas Nevada
- ✓ Legal Issues for California Professional Engineers; Practice of Professional Engineer
Board Procedures, Professional Liability Insurance Law of Engineering Malpractice
Halfmoon LLC, San Diego Ca
- ✓ Project Risk Management
Project Management Institute, Denver, Colorado
- ✓ AREVA,Tribon Integrated Hull Design, Lines and Hydrodynamic Software
National Steel and Shipbuilding, San Diego, CA
- ✓ American Management Associations, New York, NY
New Managers Training Course
- ✓ Morrows Tower Crane Training,
Morrows Salem Oregon
- ✓ Ship Production Technology
National Steel and Shipbuilding, San Diego, CA

MEMBERSHIP AND AFFILIATIONS

Active member of SAE, NSPE, and ASME. Involved with ASME B30 Safety Codes and Standards committee and sub-committees.

ASME SAFETY STANDARDS DEVELOPMENT AFFILIATION

- ✓ B30 Standards Main Committee for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings;
 - Subcommittee B30.1 – Jacks, Industrial Rollers, Air Casters, and Hydraulic Gantries
 - Subcommittee B30.3 - Construction Tower Cranes
 - Subcommittee B30.11 - Monorails and Underhung Cranes
 - Subcommittee B30.17 - Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist)
 - Subcommittee B30.29 - Self-Erect, Fast-Erect Tower Cranes
- ✓ P30 Planning for the Use of Cranes, Derricks, Hoists, Cableways, Aerial Devices and Lifting Accessories;
- ✓ BTH Standards Committee, Design of Below-the-Hook Lifting Devices



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MEMBERSHIP

- ✓ American Society of Mechanical Engineers, 9237314
- ✓ National Society of Professional Engineers, N00022233
- ✓ Society of Automotive Engineers, (SAE), 6122787603
- ✓ Project Management Institute, 360724
 - Project Risk Special Interest Group
 - Financial Risk Special Interest Group
- ✓ Global Association of Risk Professional (GARP) 48084

EDUCATION AND LICENSURE

MScBA, Master of Science in Business Administration, Finance Risk
SAN DIEGO STATE UNIVERSITY, San Diego, California

EDUCATION

BScE, Bachelor of Science in Engineering
Naval Architecture and Marine Engineer (Structural /Mechanical Engineering.)
UNIVERSITY OF MICHIGAN, Ann Arbor, Michigan

PROFESSIONAL LICENSE

PE, Registered Professional Engineer, License Number M29022
STATE OF CALIFORNIA MECHANICAL ENGINEER