



Applied Materials Technologies Inc.

A professional design and engineering firm

CDR BRAD J. ROSELLO, P.E.
SENIOR MECHANICAL ENGINEER & NAVAL ARCHITECT
rosello@amtiengineering.com

EDUCATION

M.S. Mechanical Engineering & Naval Architect
University of Michigan, 2000

B.S. Mechanical Engineering
U.S. Coast Guard Academy, 1996

Licensed Professional Engineer (P.E.)

State of Illinois License No. 620-57908
State of Virginia License No. 036247

AREAS OF SPECIALIZATION

Offshore Construction Practices
Maritime and Workplace Safety
Vessel Construction and Design
Steel and Aluminum Construction Practices
Accident Reconstruction
Code & Standard Compliance Issues
Marine Investigations

United States Coast Guard Reserve Commander Rosello is a Senior Mechanical Engineer & Naval Architect at Applied Materials Technologies Inc. (AMTI). He is a licensed mechanical engineer with a broad experience in Mechanical Engineering, Marine Engineering and other related fields. Mr. Rosello has been responsible for offshore construction projects including but not limited to daily operations, budget and compliance while working extensively in the offshore oil industry performing standard decommissioning's, platform restoration projects including the dismantling of toppled structures & preparation of damaged sub-sea oil wells. He specializes in mechanical analysis, steel and aluminum structural analysis and ship construction analysis, construction oversight and practices, application of safety standards and construction process inspections, especially in Naval Architecture/Marine Engineering applications. He has

Mr. Brad J. Rosello, P.E. CV - January 2014

experience in oilfield cutting tools & well pressure control devices, ship operations and maintenance, fire protection systems, life safety, vessel stability, structures, & security.

Commander Rosello has been deployed to offshore operations for platform recovery/remediation, standard decommissioning projects and on-scene vessel salvage operations and is experienced with rapid/emergency response operations to offshore/vessel casualties and environmental incidents. He has assisted in the management and logistical coordination of such responses and is familiar with the interactions required with government agencies. His offshore experiences include directing operations of sub-sea divers & ROV's in the de-construction of toppled oil platforms and pressure control of oil wells. He has developed site specific structural removal plans applying multiple cutting tools such as 20 ton shears, guillotine & diamond wire saws; in addition to pressure control devices & well preparation for sub-sea wellhead installations.

Prior to joining AMTI, Mr. Rosello was employed by Engineering Systems Inc., as a staff engineer and consultant where he was involved in a wide range of engineering consulting projects. These projects included an on-site investigation at a refinery performing in field inspection of mechanical devices, piping systems & associated equipment. He also conducted several post-fire inspections as well as numerous projects and reports.

Prior to ESI, he served as a Naval Architect for the U.S. Coast Guard at the Marine Safety Center in Washington, D.C. He performed engineering reviews of U.S. commercial passenger vessels; including analysis of stability, structures, structural fire protection, general arrangement plans & calculations ensuring compliance with US laws and international treaties. He also conducted overseas vessel inspections on cruise vessels for structural and passenger safety and was the lead inspector for structural fire protection inspections.

Commander Rosello was also a member of the U.S. Coast Guard's Salvage and Engineering Response Team while stationed at the Marine Safety Center in Washington, D.C. In this capacity he provided 24/7 technical support to Coast Guard Unit's during emergency response operations by providing salvage engineering expertise to over 25 marine casualties. He led & managed the team in day-to-day operations including administration, training, qualifications, engineering, and budget.

Prior to his work at the Marine Safety Center, Mr. Rosello spent two years at the University of Michigan where he completed his two master degrees in Mechanical Engineering and Naval Architecture and Marine Engineering.

Mr. Rosello began his Coast Guard Career as a shipboard engineer on the U.S. Coast Guard Cutter BOUTWELL (WHEC 719). In this capacity he served many different functions such as Assistant Engineering Officer, Damage Control Assistant and supervised the vessel's Hazardous Materials Program. He was qualified as a watch supervisor on the engine plant with 2 main gas turbine propulsion engines, 2 main diesel propulsion engines, 2 diesel generators, shipboard evaporator. He is currently a Lieutenant Commander in the U.S. Coast Guard Reserves.



Professional Affiliation/Honors

Society of Naval Architects and Marine Engineers, member

American Salvage Association, member

Chairman, Membership Committee 2006 to 2009

Training

Well Control Training – Drilling, Workover, Coil Tubing, Snubbing, Wireline Course at Supervisor level with subsea stack qualification, (6 days)

Wild Well Control, Houston, TX 18 Sept 2010

Basic Safety Awareness – Offshore/TRAP/Safe Gulf, (1 Day)

PEC/Premier Safety Management, Inc., Houston, TX 2006

16-Hour Personal Survival & Survival Suit/Craft Course; w/ Helicopter Safety & Egress, (2 Day) Texas A&M University System, Galveston, TX 2006

Basic Orientation Plus – Refinery safety training and practices, (1 Day)

Contractors Safety Council of Texas City, Texas City TX 2005

Passenger Vessel Control Verification, (6 days)

MS-529 U.S. Coast Guard, Miami, FL 2003

Fatigue and Fracture Analysis of Ship Structures, (3 days)

BMT Fleet Technology & Ship Structure Committee, Arlington, VA 2005

Fiber Reinforced Plastic/ Wood Boat, (2 weeks)

MS – 454 U.S. Coast Guard, San Diego, CA 2002

HAZWOPER Course 29 CFR 1910.120 (q) (5 days),

Washington, DC 2000

28 Hour Hazard Waster Management Course EPA 40 CFR 265.16; OSHA 1910.120(p); and DOT 49 CFR 172.704

US Coast Guard, Maintenance & Logistics Command, Alameda, CA 1997

U.S. Navy Surface Warfare Officer Damage Control Assistant Course, (6 weeks)

Newport Naval Base, RI 1997



Positions Held

Applied Materials Technologies Inc., Naperville, Illinois
Consultant 2011

Bradley Engineering, Palos Heights, Illinois
President, May 2006 to present

United States Coast Guard Reserve, Chicago, Illinois
Senior Reserve Officer rank of Lieutenant Commander, March 2006 to present

Engineering Systems, Inc., Aurora, Illinois
Consultant, 2006 – 2008
Staff Engineer, 2005 – 2006

Marine Safety Center, Washington, D.C.
Project Engineer, 2000 - 2005
Assistant Team Leader, Salvage Engineering Response Team, 2000-2005

USCGC BOUTWELL (WHEC- 719)
Assistant Engineering Officer 1996-1998

Active Duty in the U.S. Coast Guard
Shipboard Engineer. Salvage Engineer. Naval Architect. Attained rank of Lieutenant,
1996-2005

PUBLICATIONS:

“Minimizing the Risks of Litigation in the Construction and Repair of Yachts,” by
Kenneth M. Smith, Jr., P.E., and Brad J. Rosello, P.E., Society of Naval Architects and
Marine Engineers, SMTC&E, Fort Lauderdale, FL, October 2006

“The U.S. Coast Guard Salvage Engineering Response Team, 2003,” Schade, Derek LT;
Rosello, Brad LT; Coast Guard Proceedings Magazine, Fall 2004 TBP

“Foreign Passenger Vessel Safety – The Control Verification Program,” Rosello, Brad
LT; Reams, Buddy LCDR; Coast Guard Proceedings Magazine, Fall 2004 TBP

“An Efficient Single-Screw 11 000 TEU Containership: The Suez Max SS”, Rosello B.
J.; Perakis A. N.; Marine Technology, 1 October 2001, vol. 38, no. 4, pp. 219-232(14)
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