

**THOMAS J. BURKE, P.E.**

**EDUCATION**

U.S. NAVAL ACADEMY - 1957 Bachelor of Science (Marine Engineering)  
Continuing Education - Naval Reactors School  
Polaris Missile School  
Submarine Officer's School

**SUMMARY**

Over 30 years experience in the operation and construction of industrial and commercial facilities specializing in Project and Construction Management. Comprehensive knowledge and expertise in the preparation of construction claims and the turnkey investigation requirements of complex surety claims. Extensive experience in the preparation of settlement proposals and testimony as a fact witness.

**REGISTRATION/MEMBERSHIPS**

Registered Professional Engineer in Florida and New York  
Certified General Contractor in Florida  
American Nuclear Society  
National Society of Professional Engineers

**CAREER HISTORY**

**FORCON INTERNATIONAL CORP. - Senior Associate** - Providing consulting services to Sureties, Insurers and Attorneys. Cost and schedule to complete estimates, property, casualty and bond claim investigations, supervising completion contractors, CPM schedule analysis, construction claim analysis and preparation, expert testimony, and settlement support services. Extensive involvement with claims of general, electrical, mechanical and masonry contractors relating to industrial and commercial construction.

Responsible for the following bond claim investigations:

Masonry Contractor for Savannah Prison  
Plumbing Contractor for Ft. Lauderdale School  
Mechanical Contractor for Pittsburgh Hydro Electric Plant  
HVAC Contractor for Daytona Beach School  
Utilities Contractor for Newark Sewer System  
Utilities Contractor for Albany Sewer System  
General Contractor for Atlanta Prison  
Piling Contractor for Mobile Energy Plant

Drywall Contractor for TVA Nuclear Plant  
Piling Contractor for Cambridge Mall  
General Contractor for a Boston Parking Garage  
Painting Contractor for a Norfolk Shipyard  
Mechanical Contractor for a Key West Housing Project  
Mechanical Contractor for a St. Lucie Nursing Home  
General Contractor for a Daytona Beach Hotel  
Drywall Contractor for a Ft. Myers Hospital  
General Contractor for a Belize Hotel  
Millwork Contractor for Alabama Office Building  
Utilities Contractor for Virginia Water Mains  
General Contractor for a Florida Elementary School  
HVAC Contractor for a Florida Community College  
Mechanical Contractor for Jacksonville Naval Air Station  
Masonry Contractor for Maine Prison  
Plumbing Contractor for Ft. Myers Middle School  
Fire Sprinkler Contractor for Ft. Myers Airport  
General Contractor for BWI Airport  
Plumbing Contractor for Maryland College  
Electrical Contractor for Georgia Department Store  
Mechanical Contractor for Brooklyn School  
Mechanical Contractor for Brooklyn Treatment Center  
General Contractor for North Carolina Test Facility  
General Contractor for Atlanta Waste Water Storage  
General Contractor for Georgia Training Center  
General Contractor for Jacksonville Naval Air Station  
General Contractor for Florida Shopping Centers  
General Contractor for Alabama Waste Water Treatment Plants  
Mechanical Contractor for Florida Community College  
General Contractor for Florida Detention Center  
Underground Utility Contractor for Melbourne Water & Sewer System  
General Contractor for University in Orlando  
General Contractor for Schools in Ocala and Jacksonville  
General Contractor at Mayport Naval Station  
Drywall Contractor at Ft. Walton Beach Condo  
General Contractor at Homestead Subdivision  
General Contractor for Philadelphia Schools and Hospitals (5 projects)  
Mechanical Contractor for Atlanta HVAC  
General Contractor at Lakehurst NAS (2 projects)  
General Contractor for University in Connecticut  
General Contractor for Community College in Orlando  
Utility Contractor at Chattahoochee and Apalachicola  
Brick Paving Contractor at Vero Beach  
Utility Contractor at Orlando

Fish Farm Contractor in Louisiana  
Shipyards in Louisiana  
Mechanical Contractor at Miami Airport  
General Contractor at Vidalia, Georgia  
General Contractor at Yorktown, Virginia  
General Contractor and Developer in Miami  
Painting Contractor in Kansas  
Desalination Manufacturer in Tampa  
Marine Contractor in Norfolk  
HVAC Contractor in Miami  
Miscellaneous Metals Contractor in Sarasota  
Plumbing Contractor in West Palm Beach  
Dry Wall Contractor in Panama City  
Highway Contractor in Jacksonville, FL (11 Projects)  
Military Housing Contractor in Meridan, CT (5 Projects)  
Prepared Studies of:  
Business Plan for Middle Eastern Contractor  
Quality Assurance Plan for German Contractor  
Project Schedule for an American Exporter  
Cost and Schedule Analysis System for German Contractor  
Indoor Air Quality for an Orlando Bank  
Productivity for a Boston Train Station Renovation  
Contract Administration for a Florida Hospital  
Organizational Development for a Florida Hospital  
Substation Fire for NY Utility  
Renovation Costs for an Illinois Steel Mill  
Design Changes at Combined Cycle Power Plants  
Productivity at Combined Cycle Power Plants  
Catalytic Reactor Explosion at Kentucky Petrochemical Plant  
Electrical Change Order Claims at Atlanta Prison  
Shade House Reconstruction for Florida Nursery  
Shredder Explosion at Florida Resource Recovery Plant  
Resistance to Forced Entry of Sliding Glass Doors  
Power Plant Generator Rotor Damage  
Schedule Delays at Florida Elementary School  
Architect/Engineer Selection at Tennessee Nuclear Plant  
Construction Management at Tennessee Nuclear Plant  
Cost to Complete estimates at Alabama Nuclear Plant  
Hurricane Damage Repair Estimates  
Fire Damage to Florida Gas Turbine  
Fire Damage to Mississippi Chemical Plant  
Schedule Delays at Pharmaceutical Plant  
Equitable Adjustment Claim for Pre-Cast Manufacturer  
Gas Turbine Damage Estimate

Repair Estimate for Universal Studios Hydraulic Mechanism  
Mechanical Completion at Georgia Prison  
Wood Chip Boiler at Georgia Prison  
Productivity Claim for Jacksonville Contractor  
Cooling Tower Damage at St. Petersburg Hospital  
Plumbing Repairs at Homestead Restaurant  
Steam Pipe Rupture at New York Utility  
Pizza Oven Fire at Florida Restaurant  
Explosion at Florida Printing Plant  
Theater Complex Construction for Miami Contractor  
Fatal Accident at Cape Canaveral  
Design of Fluidized Bed Boiler in Tennessee  
Delays by Renovation Contractor in Atlanta  
Claims of Mechanical Contractor in Baltimore  
Claims of PreStress Manufacturer in Orlando and Kennedy Space Center  
Closeout Documentation for General Contractor at Camp Lejeune  
Industrial Fire in Ft. Myers  
HVAC Freeze in Dallas  
Plumbing Failures in Orlando  
Design of Desalination Plant in Tampa  
Hurricane Damage Repair Costs in Miami  
Supervised completing general contractors for a maximum security prison in Atlanta, an Elementary School in Florida, a Health Center in Miami, and various projects in Philadelphia.  
Supervised completing mechanical contractors for a state prison in Georgia, a treatment center in New York, a VA Hospital in Philadelphia and a condominium in West Palm Beach.  
Supervised a dredging contractor in Miami, Florida  
Supervised a completing general contractor in Norfolk and Ft. Lee, Virginia

Prepared comprehensive disruption, delay and changes claims for:

General Contractor in Atlanta  
General Contractor in Melbourne, FL (4 claims)  
Foundation Contractor in Boston  
Electrical Contractor in Georgia  
Precast Manufacturer in Florida (4 claims)  
Concrete Contractor in Scranton  
Remediation Contractor in Pensacola  
General Contractor in Boca Raton (7 claims)  
General Contractor in Deerfield Beach (4 claims)  
Surety in New Jersey  
Shipyard in New Orleans (2 claims)  
General Contractor in Baltimore

Prepared differing site conditions and impossible performance claims for a dredging contractor in Miami.

Prepared productivity loss claims for:

General Contractor in Boston  
Electrical Contractor in Jacksonville  
Boiler Erector in Atlanta

Prepared deposition guides for RICO and SEC litigations in New York, and for construction claims litigations in Alabama, New York, Miami and Philadelphia.

Testified as a fact witness at:

RICO and SEC trials in New York  
Rate Case hearings in New York  
Prudency hearings in New York

Testified as an expert witness at:

Insurance claim depositions in Miami, Tampa and Vero Beach  
Construction claim depositions in Orlando and Ft. Lauderdale  
Construction claim arbitration in Miami  
Construction claim trials in Ocala and Philadelphia  
Remediation claim depositions in New Orleans  
Delay claim depositions in Boca Raton & Orlando  
Surety claim deposition in Miami Beach  
Surety claim trial in Philadelphia  
Shipyard arbitration in New Orleans  
Shipyard depositions in New Orleans (2)  
Differing Site Conditions depositions in Miami (2)  
Boiler Erector mediation in Atlanta  
General Contractor mediation in Atlanta  
Salt Water Pump deposition in Memphis  
Dredging Contractor trial in Miami  
Precast Manufacturer mediation in Orlando  
Precast Manufacturer trial in Vierra, FL

Prepared Settlement Proposals for:

Excavation Contractor in Boston  
Piling Contractor in Boston  
Electrical Contractor in Atlanta  
Mechanical Contractor in Dallas

Sheet Metal Contractor in Atlanta  
Detention Systems Contractor in Roanoke  
General Contractor in Florida  
Electrical Contractor in Jacksonville  
Dredging Contractor in Miami  
General Contractor in Philadelphia (3 settlements)  
General Contractor in Connecticut

Performed Physical Audits of Power Plant and Transmission Facilities

New York Independent System Operator (23 Audits)

Served as Arbitrator on small fast track and large complex cases, including 2 power plant arbitrations. Designated Adjudicator for power plant under construction.

**Published Papers:**

Nuclear Desalination - 1969  
Productivity Loss Claims - 1991  
Project Management - 1995  
Risk Assessment Tools for Mediation – 1997 (co-author)  
Avoiding Delays and Disruptions - 1997  
Financing the Principal – 2004  
Using Consultants – 2006 (co-author)

**ORION ASSOCIATES INTERNATIONAL, INC.**, Vero Beach, Florida - President - Consulting engineers specializing in power plant project management and claims investigations. The consulting services include expert testimony, litigation support, claims preparation and defense, quantification of damages, CPM schedule analysis, detailed cost, schedule and cash flow projections, technical reviews and contract administration.

**SOGEX INTERNATIONAL LTD., Paris, France** - Senior Vice-President for Construction - Responsible for the turnkey construction of 16 major projects, including power plants, desalination plants, airports and housing developments in Saudi Arabia, Jordan, UAE and North Yemen.

**SOGEX INTERNATIONAL LTD., Jeddah, Saudi Arabia - Area Manager** - Responsible for the Western Region of Saudi Arabia regarding all site activities within the region. Work in progress included power plants, desalination plants and large housing complexes totaling over \$1 billion.

**SOGEX INTERNATIONAL LTD. - Project Manager** - Project Manager on the Jeddah 4 Power and Desalination Plant Project. Responsible for the construction and start up of the world's largest power and desalination facility. Supervised site construction, engineering, finance, administration, logistics, planning and start up. Served as corporate representative to the client, consulting engineers and subcontractors. Coordinated engineering and procurement with company design offices in Great Britain and West Germany.

**SHOREHAM NUCLEAR POWER STATION - Project Manager** - Long Island Lighting Company. Responsible for design, licensing, construction and start up of 800 MW BWR nuclear station. Developed and staffed the project organization, wrote the Project Manual and established management information systems. Supervised engineering and construction forces at the site. Made frequent technical, management and public information presentations. Member of EEI Prime Movers Committee and Nuclear Subcommittee. Responsible for technical reviews, licensing and administration.

**NORTHPORT POWER STATION - Start up Coordinator** - Long Island Lighting Company. Responsible for starting up a 400 MW oil fired station. Achieved Commercial Operation within four days of schedule. Prepared system descriptions, lesson plans and operating procedures.

**PORT JEFFERSON POWER STATION - Plant Engineer** - Long Island Lighting Company. Supervised boiler retubing and plant maintenance.

**SURFSIDE NUCLEAR DESALINATION FACILITY - Project Engineer** - CAPINTEC Inc., Mount Vernon, New York. Responsible for preliminary design review and management concepts. Project canceled by owner.

**Naval career included the following responsibilities:**

Assistant Division Director of the Naval Submarine School, New London, CT. - Instructed officer students and submarine crews in submarine technology and operating procedures.

Developed curriculum and prepared lesson plans.

Weapons Officer on Nuclear Submarine. - Responsible for the operation and maintenance of all missile and torpedo systems. Engineering and Deck Watch Officer. Qualified as Senior Reactor Operator.

Chief Engineer on Diesel Submarine.

Main Engines Officer on Aircraft Carrier.