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Forensic Client Assignments

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Providing forensic engineering expertise to attorney clients, and Consulting Engineering and engineering support services to industrial and government contracting clients in mechanical engineering, electronic packaging engineering for harsh military and space environments, acoustic engineering, optics, fiber optics, and laser technology. Typical assignments have included:

Automotive

Accident reconstruction (plaintiff)
Engine failure dispute (defendant).
Steering control failure (criminal defense).
Defective steering mechanism and defective power assisted steering (plaintiff).
Defective motorized wheel chair and defective automobile wheel chair loading ramp (plaintiff).
Transmission failure in rental automobile - breach of contract (defense).
Defective automobile passenger restraint system and auto structure (plaintiff).
Defective automotive brakes (defendant)
Cause of luxury automobile fire, property damage (plaintiff).
Gasoline fume leakage into automobile passenger compartment - defective fuel hose (plaintiff).

Boating/Marine Accidents

Cause of sinking of 26' recreational power boat (plaintiff)

Breach of Contract/Warranty

Breach of contract residential foundation and structural failure (defendant)
Patentability investigation
Breach of contract, water tower collapse (plaintiff)
Breach of contract, wrongful termination of product development/manufacturing contract (plaintiff).

Breach of contract, breach of warranty, residential construction contract (plaintiff).
Breach of contract, breach of warranty - Recreational Vehicle (defense).
Breach of warranty/contract, defective automobile repair (plaintiff)
Breach of warranty, defective products; hand tool, office furniture (plaintiff)
Breach of warranty. Defective glass shower enclosure (plaintiff)
Breach of warranty, defective amusement train ride (plaintiff).
Breach of warranty, defective all terrain vehicle (plaintiff).
Breach of warranty, defective grinding wheel (defendant).

Construction Accident

Sheet rock pile collapse (plaintiff).
Personnel boom lift occupant ejection (plaintiff).
Pipeline explosion, construction mortality (defendant).
Unsafe gantry crane operation at port facility causing dropped load personal injury (plaintiff).
Passenger auto fall from bridge under construction, unsafe traffic controls by multiple contractors (plaintiff).
Injury resulting from unsafe excavator operation and unsafe hoisting of a load (plaintiff).
Personal injury, Fall through unsafely secured floor opening cover (plaintiff).

Personal injury to bystander from unsafe underground electric utility excavation (plaintiff).

Flood loss - property damage from fire sprinkler pipe breakage (defense).

Construction Contract Compliance and Contract Claims

Contract compliance on 2 story biological laboratory construction (defendant)

Contract compliance on underground utility construction (defendant)

Contract compliance on hospital HVAC project (defendant).

Contract compliance on military dormitory construction project (defendant).

Contract compliance in 4 story Student Union Bldg. construction project (defendant)

Contract compliance in composite materials aircraft repair hangar construction project (defendant).

Contract compliance on railcar lift construction project (plaintiff).

Contract compliance underground fiber optic and underground mechanical utility construction (defendants).

Contract dispute potable water pumping plant construction (defendant).

Contract compliance underground pipeline construction (defendant)

Contract compliance underground fiber optic transmission construction (defendant).

Construction contract dispute, multiple hot & chilled water pipe failures in convention center (defendant).

Excavation collapse & collateral property damage (plaintiff).

Contract dispute on residential renovation (defense),

Residential cement concrete driveway damage by contractor - causation and remediation (plaintiff).

Construction contract dispute between owner, contractor, and construction manager on church HVAC system malperformance

(plaintiff).

Contract performance. Dispute between Engineer-Land Developer (plaintiff).

Defective Maintenance

Breach of warranty/contract, defective automobile repair (plaintiff)

Defective product, defective maintenance, negligent operation; hydraulic crane (plaintiff and defendant, separate assignments)

Defective product/defective maintenance low energy power swinging door (plaintiff).

Consumer trampoline defective product and defective maintenance (plaintiff).

Defective maintenance of underground steam distribution piping system causing personal injury to pedestrian from steam emission (defendant)

Automotive pedestrian mortality resulting from obscuration by steam emission from underground steam distribution system (plaintiff).

Defective Product

Product liability on defective front loader (plaintiff).

Product liability on defective metal shear (plaintiff)

Product liability, uncrashworthy automobile component (plaintiff).

Product liability, unsafe recreational boat (plaintiff).

Product liability. Defective X-Ray package security scanner (plaintiff)

Product liability. Defective tractor starter safety mechanism (plaintiff) Defective product/defective maintenance, automatic sliding and rotary doors (plaintiff).

Breach of warranty, defective products; hand tool, office furniture (plaintiff)

Defective product, defective maintenance, negligent operation; hydraulic crane (plaintiff and defendant, separate assignments)

Defective product, lack of due care; electro-surgical instrument (plaintiff)

Product defect in pressurized glass bottle (plaintiff).

Product defect in consumer baking/cooking glassware (plaintiff).
Defective product. Folding step ladder (plaintiff).
Breach of warranty. Defective glass shower enclosure (plaintiff)
Defective fixed ladder in horse barn (plaintiff)
Defective stairway & walkway (plaintiff).
Defective storm water drainage and defective highway maintenance (plaintiff)
Defective product. Compressed air nozzle blowing tool (plaintiff).
Defective humidifier for industrial air conditioning machine (defendant).
Defective swinging door (plaintiff).
Breach of warranty, defective amusement train ride (plaintiff).
Defective vertical carpet carousel (plaintiff).
Breach of warranty, defective all terrain vehicle (plaintiff).
Breach of warranty, defective grinding wheel (defendant).
Defective product/defective maintenance low energy power plaintiff swinging door (plaintiff).
Defective product / defective maintenance automatic sliding doors (plaintiff).
Electric shock by faulty commercial baking appliance & faulty connection (plaintiff).
Defective vacuum cleaner(plaintiff).
Consumer trampoline defective product and defective maintenance (plaintiff).
Acoustic personal injury from defective audio system (plaintiff).
Defective product - consumer pressure cooker explosion and burn injury. (plaintiff).
Defective champagne bottle corking resulting in spontaneous cork explosion and eye injury (plaintiff).
Defective riding lawn mower personal injury (plaintiff).
Cause of lacerative injury from glass gin bottle-defective bottle packaging (plaintiff).
Defective stock picker (i.e. fork lift) - Warehouse personal injury (plaintiff).
Cause of fall and personal injury from top of polyethylene storage tank or ladder- defective storage tank (defense).

Highway lawn mower projectile injury to motorist (plaintiff).

Escalator, Moving Sidewalk, Elevator

Escalator and elevator accidents (plaintiff)
Power sidewalk accident reconstruction; defective product, maintenance & inspection (plaintiff).

Fire Origin and Cause/ Burn Injuries

Fire loss in paper mill (defendant), retail furniture store (defendant).
Fire loss caused by office machine (plaintiff)
Cause and Origin of electrical fire in furniture store (defendant)
Cause and Origin of burn injury in an acetylene welding fire in a railroad car shop (plaintiff)
Cause and origin of welding fire on packed bed scrubber tank plus plant loss analysis (defendant).
Defective heating pad and 2nd degree burn injury (plaintiff).
Cause of apartment fire (plaintiff).
Surgical heating pad failure & patient burn (plaintiff).
Cause of luxury automobile fire, property damage (plaintiff).
Defective product - consumer pressure cooker explosion and burn injury. (plaintiff).
Origin and cause of fire loss (property damage and business loss) in printing plant - Defective dryer system (defense).
Burn injury to inmate in prison commissary cooking station (plaintiff).
Investigation of residential electric stove as potential origin and cause of private school fire.

Machinery Accidents

Amusement Park Ride failure and rider injury (plaintiff)

Negligence

Negligent operation of urban bus (plaintiff)

Patent Infringement

Patent infringement, merchandise display product, garment display product, eyewear product, office machine product (3 plaintiff, 1 defense).

Premise Liability

Slip and fall (sidewalk disrepair, handicap access curb ramp,) (plaintiff)
Investigation of airborne particulate causation of lung disease (plaintiff).
Stage prop collapse (plaintiff).
Condominium Parking lot walkway defective (plaintiff).
Unsafe portable stanchion and rope barrier queuing system in bank lobby causing personal injury (plaintiff)
Defective repair of apartment vinyl flooring causing personal injury (plaintiff).
Injury from spring driven spontaneous door closing (plaintiff).
Wind driven pedestal sign collapse onto pedestrian (plaintiff).
Snow tubing slope accident investigation - slope operations & Maintenance and customer training (plaintiff).

Rail Road Accidents/Injuries

Passenger railcar door malfunction and passenger ejection from moving train (plaintiff).
Commuter railcar defective renovation and maintenance causing passenger injury by door malfunction(plaintiff).

Traffic Controls

Passenger auto fall from bridge under construction, unsafe traffic controls by multiple contractors (plaintiff).
Pedestrian mortality in parking garage - faulty traffic controls (plaintiff).

Underground Utilities

Automotive pedestrian mortality resulting from obscuration by steam emission from underground steam distribution system (plaintiff).
Defective maintenance of underground steam distribution piping system causing personal injury to pedestrian from steam emission (defendant)