



Mechanical, Electrical and Plumbing (MEP)

Mechanical, Electrical and Plumbing (MEP) are fundamental requirements of all modern-day buildings; including new, remodel and rebuild construction projects. There is not a building in the world that can be inhabitable by human-kind without these systems installed, operated and maintained. The YOUNG & ASSOCIATES MEP RESOURCE GROUP employs construction experienced tradespeople, estimators and engineers with an overall career understanding of how these systems are designed and constructed. With all this knowledge and technical expertise, we are able to forensically assess, evaluate and determine all aspects of loss-related and resultant damage to properties of all kinds. That scope information is utilized to produce RCV and ACV estimates of cost using the latest information for your repair or replacement projects. We also perform pre-loss assessments, Origin & Causation Analysis per NFPA 921 Regulations and Pre-Construction Plan Review and Building Code Analysis Assessments.



Contact

Paul Christoferson - Regional Consultant
916.790.7322

Ron Perley - Partner
562.598.1261



Find Your Local Consultant
YOUNGONLINE.COM 



Mechanical, Electrical, & Plumbing

KNOWLEDGE
INTEGRITY
PROFESSIONALISM

YA MEP Resource Group

Our YA MEP Resource Group has experience around the world with large loss Property Damage, Salvage, Repair and/or Replacement, Subrogation, Pre-Construction Analysis and Construction Defects for our clients in the Insurance industry, Developers and Design Agencies, Owners and Contractors and Law Firms.

Litigation Support:

Construction Defect & Subrogation

- Investigation/Product/Component Failure Analysis
- Destructive Testing
- Product Compliance Analysis
- Fault Apportionment Analysis
- Code Upgrade and Ordinance Analysis
- Defect Rebuttal Analysis
- Means & Methods Analysis
- Pre-existing Condition Identification
- Date of Manifestation
- Standard of Care Evaluation

Mechanical

Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC-R)

- RTUs/AHUs/FCUs/MUA Units/VAV & CV Terminal Units/WSHPs
- Split System Air-Conditioning Units
- Steam & Water Boilers & Heat Exchanger Systems
- Air- & Water-Cooled Chillers/Cooling Towers
- Airside Heating & Cooling Systems
- Chilled Water & Condenser Water Pumps
- Commercial Kitchen Ventilation
- Exhaust Systems

- Hydronic Heating & Cooling Systems
- Piping & Insulation Systems
- Refrigeration Systems & Equipment

Fire Protection Systems

- Electric & Diesel Fire Pumps with Automatic Transfer Switches (ATS)
- Wet & Dry Type Fire Sprinkler Systems & Specialty Systems

Electrical

Energy/Power

- Service and Distribution Systems – High Voltage, Medium Voltage 1000V–100KV
- Distribution Systems – Low Voltage 50V–1000V
- Switchgear, Motor Control Centers (MCCs), Switchboards, & Panelboards
- Busway & Bus Duct Systems
- Dry Type & Oil Filled Transformers
- Emergency, Standby & Backup Generators with Automatic Transfer Switches (ATS)
- Uninterrupted Power Supply (UPS) Equipment
- Energy Management – Sustainable building systems, Energy conservation Requirements
- Grounding and Lightning Protection Systems

Communications

- Telecommunication/Datacom/Radio/Television/WAN-LAN
- Intercom Systems/Nurse Call Systems/Audio-Visual Controls
- Security/CCTV/Cardlock Entry/Prison System Controls
- Programmable Building Management Systems/Building Automation Systems
- Robotics Automation
- Supervisory Control and Data Acquisition (SCADA) Systems

Lighting

- Residential Lighting and Control Systems
- Commercial and Industrial Lighting and Control Systems
- Theatre Lighting and Control Systems
- Low Voltage and Custom Lighting Controls, Testing, Troubleshooting, Assessment

Fire Detection

- Fire Alarm Addressable Control Panels & Devices
- Fire Alarm Analog Control Panels & Devices

Renewables

- Solar Energy/Residential and Commercial systems up to 550MW
- Wind Turbines/70 Meter
- Geo-Thermal Steam Generators

Transport Systems

- Vertical and Horizontal Transportation Systems
- Conveyors – Mills, Quarries, Mines
- Escalators & Moving Walkways
- Hydraulic, Cable & Traction Elevator Systems

Plumbing

Piping Systems

- Domestic Water & Sanitary Drain Systems
- Natural Gas and Propane piping systems
- Food Grade and Chemical piping systems
- Clean Dry Compressed Air (CDA) Systems
- Industrial Grade Process Piping Systems
- Petro-Chemical Industrial Systems
- Clean Room Manufacturing Gas Systems