

## Samuel R. Merola

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### Profile:

- **Owner** CAD Mountain Designs LLC & licensed in Pennsylvania.
- Thirty plus years experience in Mechanical & Structural Design.
- Career started in 1984 as a Board Draftsman and then transitioned into AutoCAD and a Mechanical Designer for mixing equipment with power transmission, electrical, pneumatic & hydraulic systems for first fourteen years of career with Premier Mill Corp in Reading, PA.
- Utilized Pro/ENGINEER to produce fabrication drawings, CNC files and manage large projects for the transmission & wireless divisions that produced tubular steel structures for utility companies & the telecommunications industry for the next nine years with Summit Manufacturing & PennSummit Tubular in West Hazleton, PA.
- Utilized SolidWorks to produce engineering, production & installation drawings for Monopole & Tower structural upgrades and managed remote production facility for the next four years with AeroSolutions LLC in Boulder, CO.
- Formed CAD Mountain Designs LLC. In 2011.

### Education:

- **ProEngineer Certified Training** 2000-2007  
PTC 3D modeling & sheetmetal CNC manufacturing training courses.
- **AutoCad Certified Training** 1995-1998  
Autocad Training courses.
- **Penn State University (PSU):** 1990-1992  
Mechanical Engineering elective courses.
- **Lincoln Technical Institute (LTI):** 1983-1985  
Associate in Specialized Technology Degree for Drafting Technology.
- **Hazleton High School:** 1980-1982  
Mechanical Drafting elective courses.

### Business Experience:

- **CAD Mountain Designs LLC** April 2011 – Present, President and Owner  
CAD Mountain (www.cadmountain.com) provides project management and drafting services to the electric transmission industry and wireless tower upgrade markets. Specializing in Solid Works, AutoCad & AutoDesk Inventor parametric 3D modeling softwares. Based in Allentown, PA.

### Partial Client List:

- **Sabre Tubular Industries**, Alvarado, TX (9) Over-Flow projects for (405) Transmssion Design Structures & H-Frames.
- **Sabre Towers and Poles**, Sioux City, IA (87) Monopole Upgrades & (4) Self Support Tower Modifications.
- **Sky Climber Tower Solutions**, Delaware, OH (454) Monopole Upgrades.
- **Paul J Ford and Company**, Columbus, OH (54) Monopole & (26) Mount Upgrade Projects & (1) Transmission Mod.
- **Trinity Utility Structures**, Dallas, TX (227) Transmssion & Lighting Structure Projects & (593) CNC files.
- **Engineered Endeavors (EEI)**, Newbury, OH (5) H & Y Frame Transmssion Projects.
- **Transamerican Power Products (TAPP)**, Houston, TX (32) Substation Design Structures w/ Caissons.
- **Dis-Tran Steel LLC**, Pineville, LA (1) H Frame Transmssion Project.
- **Summit Utility Structures (SUS)**, Allentown, PA (2) Press Brake Modification Drawings.
- **AeroSolutions**, Boulder, CO (745) Monopole Upgrade Projects & (37) as CAD Mountain.
- **Rehapolle Services Co**, Mangolia, TX (1) 62,000 lb Transmission Arm Testing Fixture, Pole Trailer & various patent dwgs.
- **Rehapolle Inspection Services Co (RISC)**, Mangolia, TX (545) Monopole Inspection Reports.
- **Kennedy Construction**, Denver, CO (4) Monopole Upgrades
- **NextGen Services Group Inc**, Marlton, NJ (10) Monopole Upgrades.
- **USA Structural Steel**, Sarasota, FL (24) Monopole Upgrades & (1) Stealth Roof-Top Platform & (2) Shelter Platforms.
- **B&C Contracting Co**, Kissimmee, FL (135) Monopole Upgrades.
- **Tri-Vet Design & Fabrication**, Shenandoah, PA (14) Structural Stair & Handrail Projects & (1) Athletic Field Sign.
- **EastPointe Industries**, Muskogee, OK (85) Monopole Upgrades & (6) Roof-Top Platforms.
- **ROMARK Logistics**, Hazle Township, PA (1) Storage facility Cad Drawing.
- **Display Source Alliance LLC (DSA)**, Balch Springs, TX (273) Retail Display Case Fabrication Drawings.
- **Reese Tower Services (RTS)**, Drums, PA Misc Drafting Services.
- **Accelerated Tower Engineering (ATE)**, Longmont, CO (1) SST Engineered Anchor System.
- **2015 Electrical Transmission & Substation Conference** Exhibitor in Branson, Missuori.