



**Pipelines-Meters-Plants-Compressors  
Engineering-Inspection-CADD  
www.appliedconsultants.com**

## Engineering & Consulting

### **Pipelines**

Design, Sizing, Alignment Sheets, Tie-ins, Construction Specifications

### **Gas Treating/ Processing**

Equipment Specifications, Process Selection, Dehydration, Process Simulation

### **Electrical**

Area Classification, One-lines, Loop Diagrams, Area Lighting,  
Cable/ Conduit Calculation, Grounding, Load List, Installation Details

### **Instrumentation**

Type Selection, PSV CV and Flow Calculation,  
Vessel Trim Sketches, TE Velocity/ Vibration Calculation

F.A.S.T. Piper – Gas Gathering System Analysis  
Pipeline Modeling, Compression, Pipeline Loops, Project Manager

WinSim, Inc. Design II – Rigorous Process Simulation  
Gas Processing, Gas Treating, Pipelines, and Sulfur Facilities

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## Piping Design & Drafting

### **PFD, P&IDs, Piping, Plot Plans**

Preparation, Updating, 3-D Design, As-Builts

### **AutoCAD**

Symbol Libraries, Tagging & Annotations, 3-D Free Form Design, Model Documentation

### **CADWorx Plant**

2-D & 3-D Piping, Steel, Cable Trays, Automatic Isometrics, BOMs, Equipment

### **CADWorx P&ID**

Process Diagrams, Symbol Library & Custom Symbols, Links to External Databases

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