



# SSPIPE for MTO

## Software for estimating piping MTO

### **Why SSPICE?**

- Obtain accurate MTO within tight schedules
- Handle changes in PIDs and specifications with ease and comfort
- Eliminate need of making isometrics
- Eliminate fatigue, overshooting of dates, and error prone MTOs
- Get MTO as per project specifications

### **How SSPICE works?**

- Create PID-MTO simultaneously across multiple machines
- Create XYZ-MTO simultaneously across multiple machines
- Get consolidated MTO in Excel

#### **PID-MTO** [Extract MTO directly from PIDs]

- Define estimation rules
- Add intelligence using simple mechanical steps (*elaborate attribute filling not required*)
- Get **valve and fitting** MTO from PIDs: Flanges, gaskets, nut-bolts, fitting welds, inch-dia., branches, valves, tagged instruments, insulation, paint, and weight

#### **XYZ-MTO** [Extract MTO directly from lines]

- Draw lines on plot-plans and equipment layouts to represent pipes
- Get **pipe and elbow** MTO: Elbows, elbow-welds, pipe-lengths, inch-dia., inch-meter, insulation, paint, and weight

### **How SSPICE ensures tight schedules?**

- SSPICE facilitates parallel activities to compress delivery time
- Late binding technique allows an early start with pseudo specifications, without waiting for actual specifications
- SSPICE reduces the per PID man-hours required for getting accurate MTO
- Automated batch update and batch MTO allows last minute changes in line-ids, line-sizes, line-specs, line-services, valve-types, branch-tables, end-connections, and estimation rules

### **Sample timeline** [Parallel activities compress time]

Total MTO (300 PIDs - 5 Areas) in 15 days						
Day : 0	Day : 1	Day : 2	Day : 11	Day : 12	Day : 15	
	A					
<b>Spec Machine</b>	Create pseudo specifications	Refine specifications		Consolidate PID & XYZ MTO		
	B					
<b>PID-MTO</b>	CAD Machine-01	CAD Machine-02	: More machines, less time		CAD Machine-15	Changes + Grace period
	C					
<b>XYZ-MTO</b>	On paper	Plan line routing		CAD Machine-16		5 machines 1 Area/10day/mc 5 Areas in 10 days
	CAD Machine-16	CAD Machine-17	: More machines, less time		CAD Machine-20	
	Legend:		Get Line-list	Make PIDs Intelligent		
	Legend:		Equipment mockups	XYZ workout		
<b>Parallel activities:</b> (A) Refine specifications (B) Make PIDs intelligent [15]=(CAD 01 to 15) (C) XYZ workout [5]=(CAD 16 to 20)						

### **System Setters** [ANUSA-India IT-Solutions LLP.]

Correspondence: 417-Dahlia, Wing-C, Raheja Gardens, Wanawadi, Pune 411 040, India.

Mobile: +91-9890920208

Web: [www.sspipe.net](http://www.sspipe.net) E-mail: [sanpo@sspipe.net](mailto:sanpo@sspipe.net)