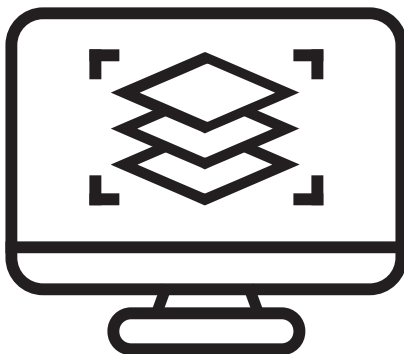
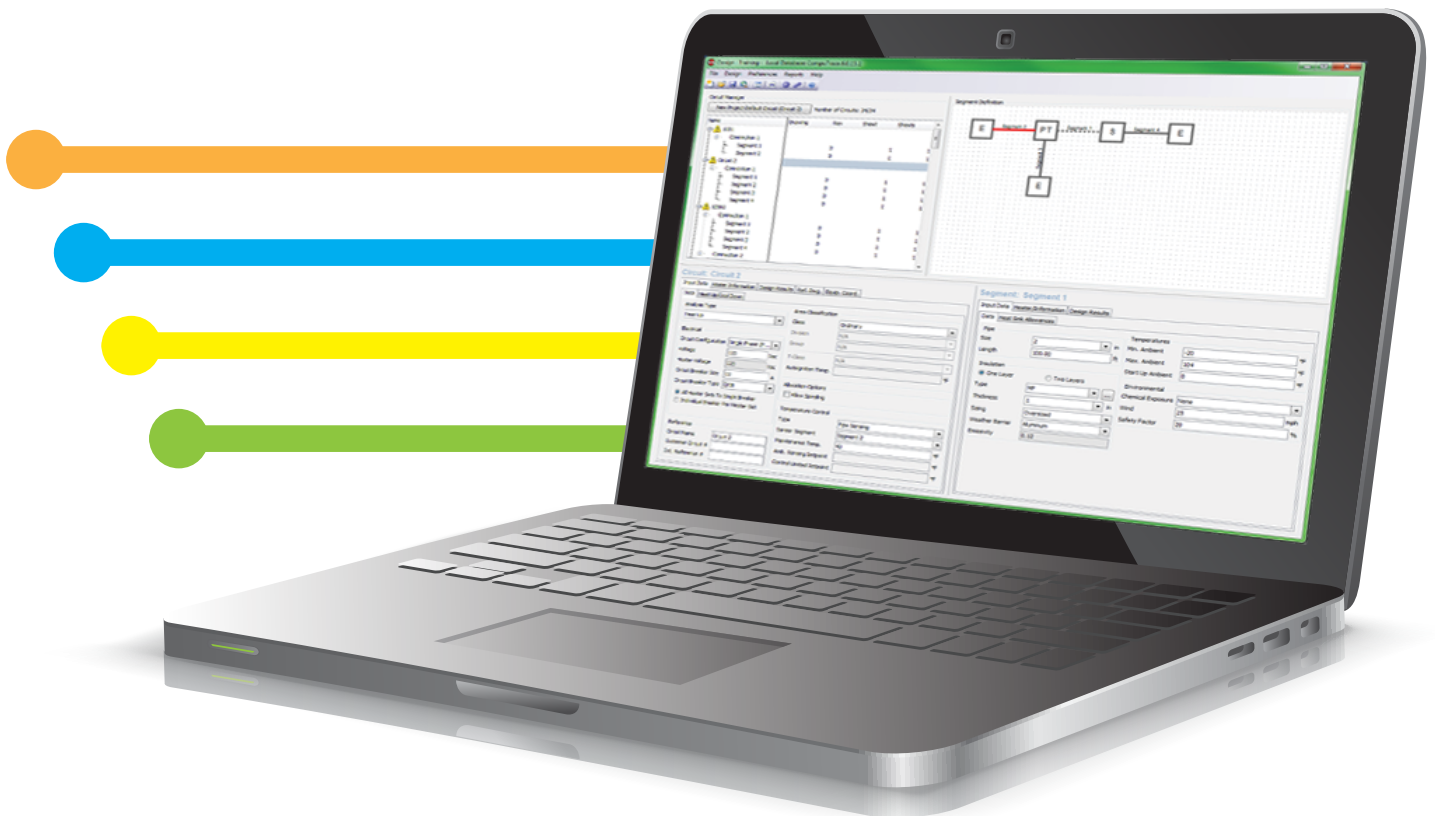




CompuTrace® Design Suite QUICK START GUIDE



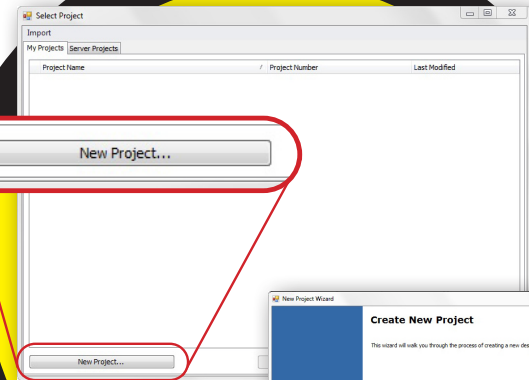
Welcome to the new and improved CompuTrace Design Suite. Follow this Quick Start Guide to begin creating electrical heat tracing circuits for piping. Thermon has set the standard in heat tracing design software with the ability to include multiple segments in one connection. CompuTrace Design Suite is now available worldwide.



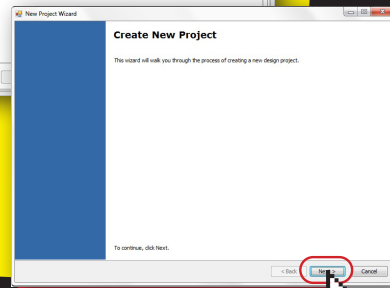
Creating a New Project



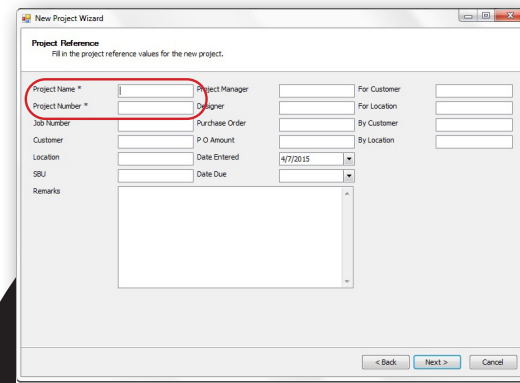
Step 1:
Open CompuTrace



Step 2
Create a new project

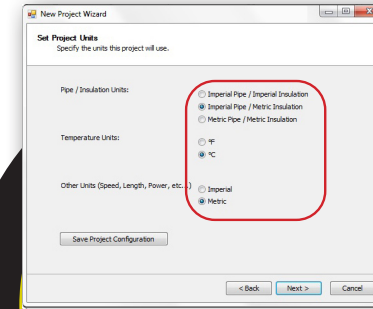
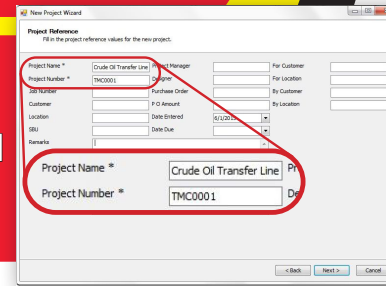


To continue, click next

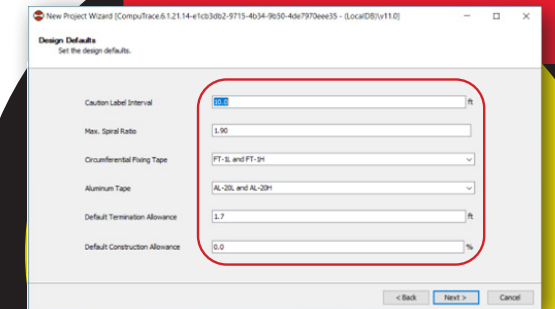


Step 3
Complete the 2 mandatory project reference input boxes, "project name" and "project number"

Tip:
Use a unique project name and project number for each project.

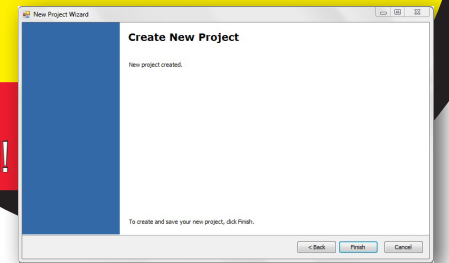


Step 4
Set project units as Imperial or Metric. This cannot be changed once you have started a project.



Step 5
Input design defaults. Set electrical codes and standards with other project defaults that stay with each project.

A new project has been created!



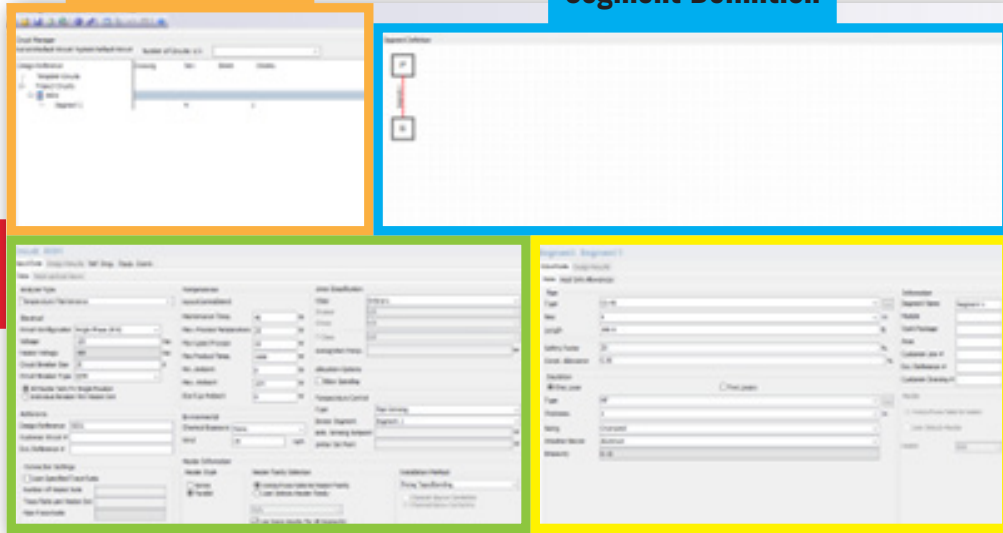
Getting Started

The CompuTrace interface is divided into four logical quadrants: **Circuit Manager**, **Segment Definition**, **Circuit**, and **Segment**.

Circuit Manager

Segment Definition

CompuTrace Window Overview

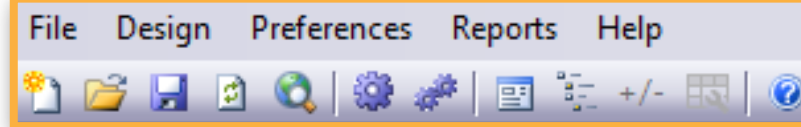


Circuit

Segment

Circuit Manager Toolbar

Located at the top of the Circuit Manager Window controls much of the organization related to the project.



New Circuit

Open Project

Save

Refresh Database View

Search & Replace

Design Active Circuit

Design Changed Circuits

Manage External Load Circuit

Grid View

Expand/Collapse Grid

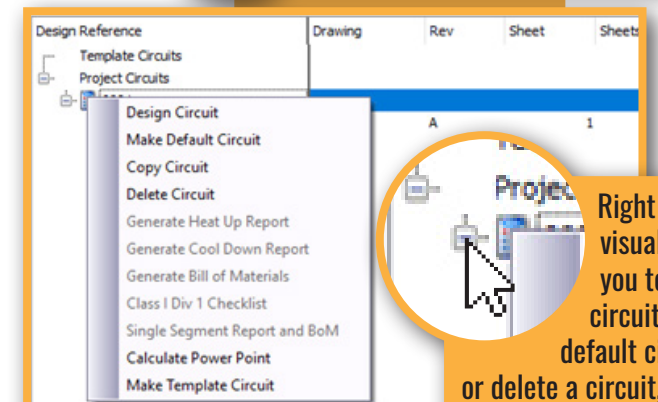
Grid View Configuration

Help

Starting a New Circuit



Select the "New Circuit" button at the top of the toolbar menu to begin any new circuit.

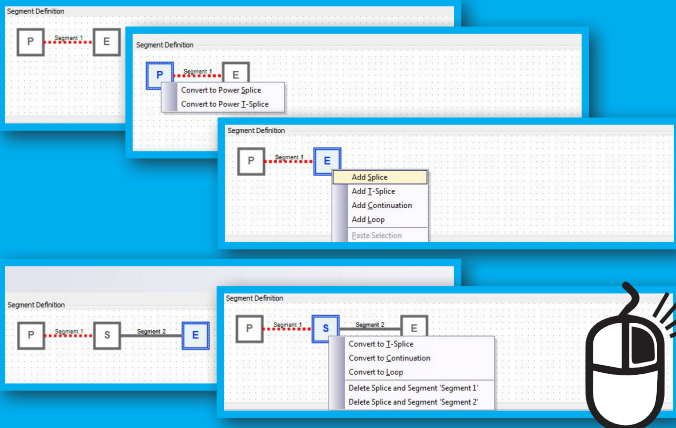


Right clicking the visual icon allows you to design the circuit, create a default circuit, copy or delete a circuit, create a template circuit, etc.

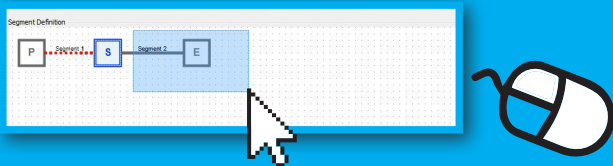


Segment Definition Window

Used to define the segments that make up the circuit. Right clicking on the nodes (interactive boxes) can add new segments or re-define existing ones. This window is where you will see a graphic representation of the circuit and its associated components.



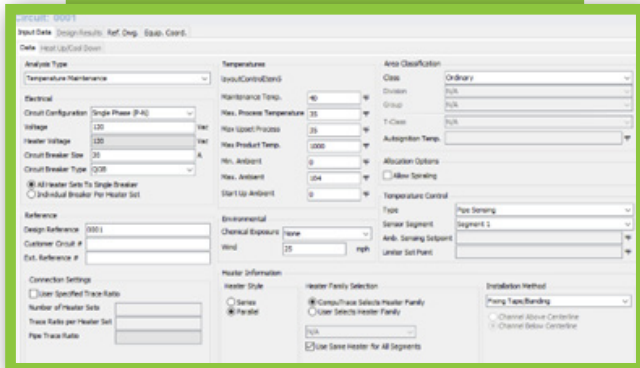
To interact with elements in the Segment Definition Window, Right Click and add to your circuit. To auto-arrange the content, right click in the open space and select "auto-arrange".



Use your mouse to drag and select elements inside the Segment Definition Window. This allows you to copy, delete, and move the segment to a new circuit.

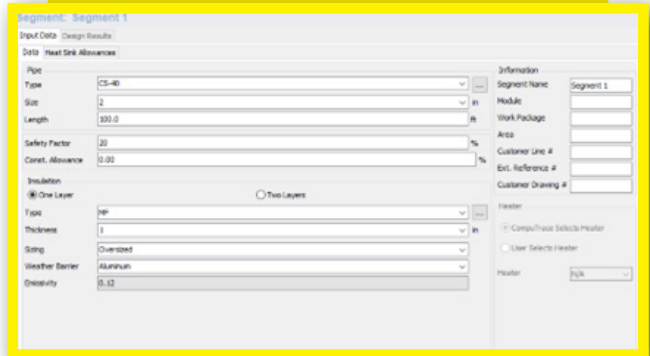
Circuit Window

All inputs that effect the entire circuit or connection are on this corner of the screen. Analysis type, voltage, breaker size/type, control methods are examples of inputs that cannot vary by segment.



Segment Window

Input values associated with each segment. The values can change between the multiple segments. Pipe size/length, Insulation specifications, ambient conditions are examples of segment level variables.



Circuit Design & Results

After completing the data entry, click the "design active circuit" button to view your results. When you have multiple undesigned circuits, you can select the "design changed circuits" button to design more than one circuit at a time.



Design Active Circuit



Design Changed Circuits

There are four visual icons that lead the user through the design process. Design results are explained in both the circuit and segment result tab.



Calculator
Undesigned circuit



Green Check w/ Caution
Successful design, but requires further attention



Green Check
Successful design



Yellow Caution
Unsuccessful design

Once you have a successful design, you can generate a bill of materials and multiple reports with the options in the reports tab.



CompuTrace® Design Suite
QUICK START GUIDE



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Form TEP0154-0622