

# TRAKSYS 7.0 BASIC TRAINING COURSE

## Course Outline

DAY 1	INSTALLATION AND CONFIGURATION
9:00 AM – 10:45 AM	<b>Introduction and Installation</b> <b>MODELTrak™ – Plant Modeling and Data Collection</b> Topics covered: Introduction to the TrakSYS™ suite of software; How to install TrakSYS™ on a new server; Software licensing and activation; Components and entities used for modeling different production processes and equipment; Defining production events (downtimes, slow times, activities) to monitor for production areas and equipment.
10:45 AM – 10:55 AM	<b>Break</b>
10:55 AM – 12:00 PM	<b>MODELTrak™ – Data Collection</b> <b>WEBTrak™ – Event Reports</b> Topics covered; How to connect to multivariate data sources and monitor production and business data points; How to analyze and report on production event data and information for different areas and equipment;
12:00 PM – 1:00 PM	<b>Lunch</b>
1:00 PM – 2:50 PM	<b>MODELTrak™ – Business Rules and Logic</b> <b>MODELTrak™ – Shift Schedules</b> Topics covered: How to create business rules in MODELTrak™ using different logical tag types and constructors; How to script complex business rules and expressions in a single construct; Recording related production information for different areas and equipment; How to create and maintain shift and operator schedules using MODELTrak™.
2:50 PM – 3:00 PM	<b>Break</b>
3:00 PM – 5:00 PM	<b>MODELTrak™ – Product Sets and Production Jobs</b> <b>WEBTrak™ – Report Design</b> Topics covered: Defining production attributes for different products and SKUs; How to record identifiers and user-defined data points for a production run or job; Grouping, filtering, and analyzing event data by different data points in WEBTrak™ reports; How to add new reports to WEBTrak™; How to define and save different date ranges for WEBTrak™ reports.

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DAY 2	WEB REPORTING
9:00 AM – 10:45 AM	<b>MODELTrak™ – Key Performance Indicators</b> Topics covered: How to configure TrakSYS™ using MODELTrak™ to record Key Performance Indicators (KPIs); Introduction to Overall Equipment Effectiveness (OEE); Review TrakSYS™ events and how they impact the calculation of different KPIs; How to report and trend KPI information using WEBTrak™.
10:45 AM – 10:55 AM	<b>Break</b>
10:55 AM – 12:00 PM	<b>WEBTrak™ – Dashboard Reports</b> Topics covered: Introduction to WEBTrak™ Dashboard Reports; How to build a custom report using predefined charts, graphs, gauges, and other HTML content.
12:00 PM – 1:00 PM	<b>Lunch</b>
1:00 PM – 2:45 PM	<b>WEBTrak™ – Dashboard Reports (continued)</b> Topics covered: How to configure Dashboard web parts using predefined connectivity to the TrakSYS™ database; Charting and graphing options for TrakSYS™ event data; Adding custom date and content filters to Dashboards; How to display real-time tag data and information from custom data sources (databases and Excel) using HTML.
2:45 PM – 2:55 PM	<b>Break</b>
2:55 PM – 5:00 PM	<b>WEBTrak™ – Dashboard Reports (continued)</b> Topics covered: Charts and gauges used for reporting TrakSYS™ KPI data (trends and side-by-side comparisons, historical and real-time); How to configure MODELTrak™ to historically trend individual tag values; How to use dashboard reports to analyze and compare data trends.

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DAY 3	OPERATOR INVOLVEMENT
9:00 AM – 10:30 AM	<b>EVENTTrak™ – Real-time Interactive Dashboard</b> Topics covered: How to setup and use the TrakSYS™ real-time operator interface (EVENTTrak™); How to respond to and record feedback for individual production events; how to manually trigger production events.
10:30 AM – 10:45 AM	<b>Break</b>
10:45 AM – 12:15 PM	<b>Task Management and SPCTrak™</b> Topics covered: How to configure MODELTrak™ to collect information about manual tasks and activities; How to prompt users when a task must be completed; How to create online data entry forms for collecting information about tasks (checklists, procedures and instructions, digital signatures); How to produce online SPC control charts from sample data collected automatically or manually.
12:15 PM – 1:15 PM	<b>Lunch</b>
1:15 PM – 3:00 PM	<b>IMPROVETrak™ and ALERTTrak™</b> <b>Extensibility and Rollout</b> Topics covered: Tracking and reporting of different steps and actions taken to improve manufacturing business processes; TrakSYS™ messaging and notifications using email (SMTP) and text messages (SMS); How to escalate production conditions to different users and individuals using automated messaging; How to leverage MODELTrak™ System Templates and Tag Import functionality to quickly rollout TrakSYS™ into other production areas; Different security schemes and roles in TrakSYS™ and how to apply security to WEBTrak™.
3:00 PM	<b>Class Adjourned</b>