Sani-Matic’s SaniTrend Data Acquisition and Management System helps food and beverage manufacturers meet FSMA and HACCP regulations for cleaning with easy-to-access cleaning wash cycle documentation.

The PC-based SaniTrend reporting system is installed on a desktop PC and interfaces with the Sani-Matic cleaning system’s Programmable Logic Controller (PLC) to collect and store cleaning wash cycle data, also known as recipes. An authorized user logs in to the SaniTrend PC to select recipes by date or time through a recipe selection screen.

When the recipe is selected the user can view the cleaning wash cycle data as Recipe Chart Data, Recipe Charts and Recipe Events screens. The data collected includes the following:

- Batch ID number
- Recipe name
- Opcode names
- Analog values and setpoints
- Step time
- Alarms
- The HMI buttons pressed during the recipe (Start, Stop, Hold, Abort and Step)

Advantages

- Documented Cleaning. Cleaning wash cycle data is easy to retrieve from storage, helping meet regulatory FSMA and HAACP documentation requirements.
- Easy-to-Understand Data. Data is available in a clear and concise format for easy analysis.
- Diagnostic Analysis. Tracks cycle alarm data, serving as a basic diagnostic tool.

Operating Requirements

Minimum Programmable Logic Controller (PLC) Requirements: Allen-Bradley® CompactLogix™ Controller or ControlLogix® Controller with Ethernet.

Note: Sani-Matic provides a dedicated desktop PC, monitor and SaniTrend system.
What Data Does SaniTrend Save and Record?

Cleaning wash cycle data is saved in recipe format and records the following information:

1. **Cleaning Wash Cycle’s Date / Time.**
   Current and historical cycle data is recorded and can be retrieved for display or as a printed report. Information collected includes:
   - Plant name / location
   - Sani-Matic system unit ID # or name
   - Sani-Matic system recipe # or name
   - Date and time recipe started
   - Unique batch ID number

2. **Cleaning / Recipe Events.**
   Cleaning events are shown in the report and include the recipe steps (Opcodes), alarms and if start and stop HMI buttons are pressed during the cleaning wash cycle. The events are displayed in a text format for easy review.

3. **Cleaning Wash Cycle Analog Data.**
   The cleaning principles of TACT can be recorded and charted for review.

   **Note:** Available system analog values and setpoints are dependent on the equipment’s instrumentation.

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The SaniTrend Data Acquisition & Management System can monitor the TACT cleaning principles:

- **Time** (length of time needed to provide a repeatable clean)
- **Action** (flow rate, pressure)
- **Chemical** (conductivity)
- **Temperature** (supply and return temperatures)

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**How it Works**

- **PLC / HMI**
- **Ethernet Connection**
- **Access Data on Desktop PC**
- **Printable Reports**