

Success Story

Industry Segment: **Water**

Effluent Treatment Plant Automation - Cigarette Manufacture



The Customer

The customer is one of the leaders in cigarette manufacture in India. They have recently upgraded the production facilities in their existing plant in South India to world standards.

The Application: Effluent Treatment Plant

Cigarette manufacture involves a series of water-intensive operations. Thus considerable amount of waste water needs to be treated, in order to meet the statutory requirements of the Pollution Control Board.

And FCS was chosen as the solution partner.

**"It was interesting to watch innovation at work
in FCS' automation solution."**

The Solution

The solution included design and execution of:

- Complete MCC
- Level measuring devices
- pH loops
- Controllers for chemical dosing pumps

The Challenge

The general nature of the waste water included unconventional waste. Field mounted sensing devices such as level switches, flow meters, needed special protection. Special filters were added and unique floating ball type level sensors were used with stand-by arrangement.

The Benefits

- Operator-free operation
- Recovered large quantity of water used for secondary purposes like gardening
- Met Pollution Control Board requirements

We also offer the following:

- Soft Starters
- Variable Speed Drives (VFD)
- Switch Mode Power Supplies (SMPS)
- Pressure Switches
- LCD Touchscreen Displays
- PLC and SCADA Software
- Complete Application Solutions
- Control Panels

For more information on any or all of these products, or to speak to our technical representatives regarding your specific application, please call or write to us at the address given below.