

## SEMICONDUCTOR MANUFACTURER HORIZONTAL WET SCRUBBER



**INDUSTRY:**  
SEMICONDUCTOR MANUFACTURING

**LOCATION:**  
INDIA

**TECHNOLOGY:**  
HORIZONTAL WET SCRUBBER

**APPLICATION:**  
HCL, HF, HNO<sub>3</sub> POLLUTANTS REMOVAL

### SEMICONDUCTOR MANUFACTURING

#### The Situation

A semiconductor manufacturer located in India was interested in setting up their first sample production sizing capabilities outside of the USA.

#### The Challenge

This customer needed a complete system to control HAPs in their manufacturing process but had an incredibly small space available for the unit.

#### The Solution

CECO Environmental worked in a consultative role to help solve their problem. Together, we collaborated with the semiconductor manufacturer to design a Horizontal Wet Scrubber that met the specifications of the application. An ECH Series Scrubber was chosen because it was a specialized design that met the destruction and space requirements.

#### The Package

Horizontal Wet Scrubber with redundant recirculation pumps, redundant blowers, dedicated dosing skid, interconnecting ducting, piping, stack, MCC and PLC panel.

#### The CECO Advantage

CECO Environmental is confident in their offering. This project's unique space restrictions helped the team force the limits of the equipment and drove innovation into our design and fabrication capabilities. The entirety of this project will be executed by our CECO India team, including design, manufacturing, and installation. This facility will serve customers in the APAC region.

#### The Environmental Benefits

The scrubber will help to remove ~21+ ton/yr. of HAPs before emissions.

*"We used a complete team approach to innovate and create value for our customer by looking at different ways to eliminate HAPs coming through their system. A true win-win."*