



Real-Time Weather Monitoring at Dahej Manufacturing Plant Using SERRAX Automatic Weather Station



INTRODUCTION: Addressing Weather Monitoring in Industris

A large manufacturing plant in Dahej, Gujarat had a problem that many industrial facilities face — they had no reliable way to know what the weather was actually doing at their site.

Wind speed, temperature, rainfall — these things directly affect how a plant operates, how safe the environment is, and how teams plan their day. Without proper data, people were basically making decisions based on guesses. That's not good enough for an industrial setup.

(The client's name is kept confidential.)

What the Client Needed

The plant needed a complete, always-on weather monitoring system that could track:

- Wind Speed & Direction
- Rainfall
- Temperature
- Relative Humidity
- Atmospheric Pressure

Most importantly, it had to run continuously and hold up in tough outdoor industrial conditions — rain, heat, dust and all.



What SERRAX Did

We installed an Automatic Weather Station (AWS) directly at the plant site — not nearby, not approximate, but right there where the data actually matters.

The system was set up to monitor weather conditions around the clock, handle harsh outdoor environments without breaking down, and feed consistent, reliable data into the plant's daily workflow.



What Transformed After Installation

Once the system was up and running, the plant team had something they didn't have before — clarity.

- They could plan better based on real wind and climate data
- On-site safety awareness improved noticeably
- They had solid, reliable data for reporting and monitoring

- The guesswork was gone. Just real numbers, in real time.

Where This Kind of Solution Makes Sense

Serrax Technologies' Automatic Weather Station is a great fit for:

- Industrial Plants & Manufacturing Units
- Environmental Monitoring Projects
- Construction & Infrastructure Sites

Why It Actually Matters

In an industrial environment, weather isn't just background information — it directly shapes safety, efficiency, and decision-making every single day.

Having the right monitoring system doesn't just solve a technical problem. It gives your team the confidence to act on facts instead of assumptions. And in a high-stakes environment, that makes all the difference.

Serrax Technologies manufactures environmental monitoring solutions designed to track air quality, weather conditions, and other key environmental factors.

With advanced sensor technology and an NABL Accredited Laboratory, Serrax provides reliable, accurate data that helps industries, government bodies, and communities make informed decisions — clearly and confidently.