

Case Study ACG Capsules

Founded in 1964 by brothers Ajit and Jasjit Singh, the journey began out of a quarry supply building in Mumbai. Five decades later, ACG stood as the only supplier across continents to deliver end-to-end manufacturing solutions for the pharmaceutical industry.

As the world's only fully-integrated machinery and materials supplier, ACG became the preferred partners for pharmaceutical businesses across the globe. Its vision is to further strengthen this position through extensive R&D investments and strategic alliances, making us the 'first choice' supplier for the global pharmaceutical industry..

Requirements

ACG Associated Capsules (ACG ACPL), a member of ACG Worldwide, is ranked amongst the largest producers of pharmaceutical empty hard gelatine capsules in the world. ACG ACPL caters to global pharmaceutical and dietary supplement industry, serving over 80% of Asia's pharmaceutical prescription market. ACG ACPL produces over 83 billion capsules annually, catering to a hundreds of customers in over 80 countries worldwide.

ACG ACPL has subsidiary companies in USA, UK, Indonesia & Philippines. They warehouse their capsules in all these locations to facilitate quick deliveries to our customers. Also exporting to about 80 countries in all the continents.

It came to our knowledge that ACG was using normal hygrometers for its majority of facilities ranging from production, Warehouse & Quality Assurance area. The hygrometer's posed an immense challenge in inconsistent readings as use to magnify swiftly when humidity changed rapidly. Again the thermometer had to be kept clean to give exact count of parameters.

Solution offer by Enviro Technologies

ACG facilities known for its swift deliveries and world class technological amenities made sure that we meet their proficient criteria at its core. We agreed to take this up and brought in our enviroSCAN – Multi-channel Logger – to ACG's fold and the results were unprecedented.

The enviroSCAN, the Multi-Channel Scanners & Data Loggers along with Web based Enviro multi-location Warehouses Monitoring Software, together monitor the temperature and RH under which ACG's critical components are stored in the network of their warehouses in the Cold Chain or Ambient facilities consequently assisting in Good Distribution Practices (GDP). ACG found performance of the system admirable which when started in its Shirwal Plant was later expanded to its Dahanu & Pitampur.

The benefits of the system like durability & robustness impressed everyone with aesthetic cabinet and astute core technology.

Salient Features were:

1. SMS or Email alert over any kind of temperature alert
2. Monitoring alerts only designated to authorized person
3. Equipment name tagging helps in location of device exactly where parameter is deviating
4. High Data integrity of Temperature & Humidity parameter
5. Rich MIS reports and graphs, in US FDA 21 CFR compliant format, such as the Mean Kinetic Temperature (MKT) and Time Temperature Integration (TTI) in PDF
6. TCP/IP, RS485 MODBUS with BMS Integration
7. Being TCP/IP based provides scalability within site & across multi-site locations Solutions from Enviro Technologies for Accurate, Tamper Proof and therefore Authentic an Reliable monitoring of environmental parameters – to ensure GMP, GDP & Data Integrity

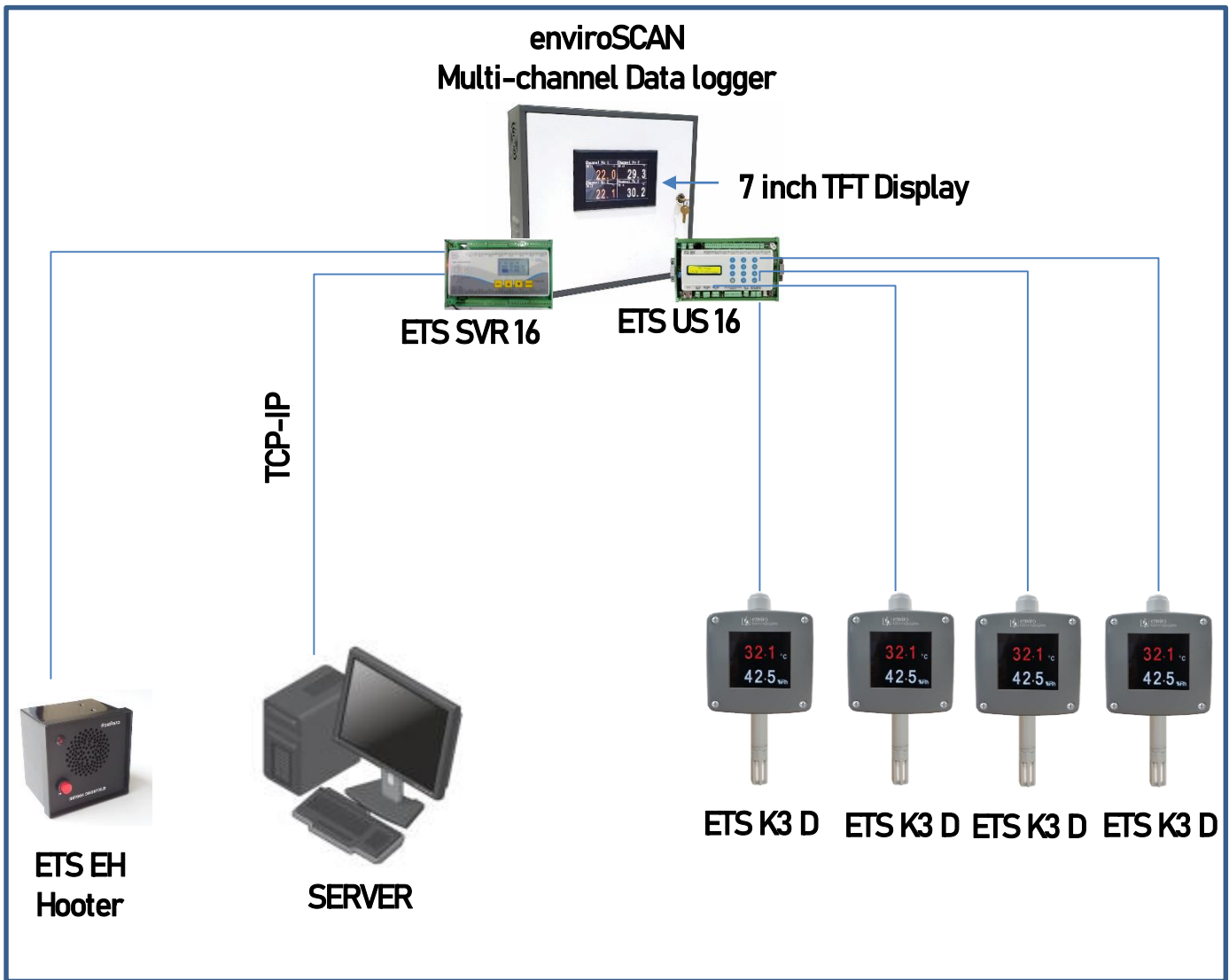
Highlights of the Project

Total Number of enviroSCAN – 30 units

Sensors –140 qty. (Temperature + Humidity)

Facilities – Shirwal, Pitampur, Dahanu

Connection Diagram



ENVIRO TECHNOLOGIES

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