



Cold Storage

Customer Profile:

A three-decade old and one of India's leading cold storage companies with multiple cold storages spread across varying geographies and capacities of more than 10 million cubic feet.

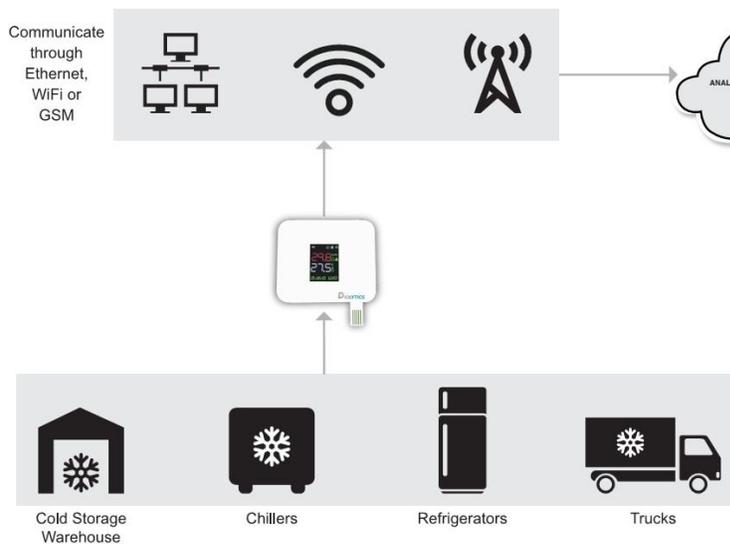
Business Requirement:

The customer with cold storages across multiple locations wanted a central monitoring system for all their cold units and the cold storage plants.

The system needed to handle the following:

- Monitor the overall temperature and humidity of the cold rooms across all geographies from a central location
- Monitor each cold room separately
- Provide this data to their end customers to ensure transparency and boost customer confidence
- Monitor generators, chillers/coolers and de-humidifiers from central dashboard
- Replace multiple disparate controllers and data logger devices with a single platform
- Send alerts via email and SMS to multiple stakeholders in case temperature and humidity went outside the contractual range
- Generate various reports for all the parameters for analytics
- Provide periodic data reports to their customers for their QoS compliance

Solution



Overview:

**Solution Details:**

- Iolytics' IntelliMon platform was deployed with multiple sensors for temperatures (both positive and negative), humidity and ammonia leak detection
- Our gateway devices with display screens were installed outside each cold room
- Data was collected and uploaded to the cloud to facilitate remote monitoring and control from a command centre
- Replaced multiple controllers and data loggers with our single platform gateway
- The controllers provided were controlled based on the set parameter values
- Our platform logged data from pressure meter on the compressors, humidity sensors and Energy meters for power monitoring
- Redundant data storage options like Flash Memory and SD memory provided with the IntelliMon systems ensured zero data loss in cases of network failures
- Customer staff based on location and shift received alert SMS and emails if data was out of acceptable range
- Customer was able to generate and send periodic reports to their end clients

Iolytics provides turnkey Industrial IoT solutions that enable our Enterprise customers to quickly roll out their IoT strategies. To know more about our offerings visit us at www.iolytics.in or call us at 9699722088.