



Lusiaves Group, Portugal, is a market leader in poultry production. In this industry Lusiaves Group has a deversified portfolio of byproducts and related activities which include chicken reproduction, egg production, chicks, broilers, free rain chicken and turkeys and slaughter facilities for product transformation.

Lusiaves Group relies on its established chain of distribution and commercialization of their products. To enhance their poultry production and maximize profits Lusiaves owns and operates a feed manufacturing plant. Lusiaves is considered a reference within the poultry industry due to its investment in research and development within the food industry, maintaining its goals of quality and safe food production. Website: <http://www.lusiaves.pt/uk/home/>

Lusiaves requested from Captemp the installation of temperature monitoring system that would meet current legislation rules but that would also be able to monitor other types of sensors such as Vapor pressure, vacuum, feed dosing machines, sterilization machines and other points of the facilities which could be of concern in the production.

Captemp Monitoring system composed by:

1. Remote Server with administration.
 - Windows Server 2016 x64
 - CapTemp Software SQL 4.0.0 with Data Base "PostgreSQL 9.6"
 - CapTemp XML server (similar to OPC server)
 - Apache Server - CapTemp WEB
2. Captemp Equipment in each location
 - Sensors of: Temperature, Humidity, 4-20mA inputs and Dry contacts,
 - POSEIDON 2250 Data Collector
 - PUSH XML Server - Ethernet Connection(VPN)



Operation Principal:

The information that the Poseidon 2250 collects, are periodically sent to the central server, and saves then in the database. Through a safe connection, it is possible to access these files using a browser such as Chrome, Mozilla or IE. The access to these files are controlled by an administration that defines the privileges of each user and each companie, guarantying, confidentiality of the data from one firm to the other.

Conclusion:

- The project was finished within the defined patterns and at the moment counts with :
- 7 companies
 - 4 administrators
 - 22 users
 - 17 Poseidon 2250 - Data Colector
 - 17 NIDUS " Push-XMLserver"
 - 238 sensors (The project will grow up to 280 sensors)

Corporate Statement:

The expectations created and the requirements that we defined with CAPTEMP, for the change and improvement of our monitoring application of control points, were reached ... after the installation, a real streamlining of the whole process of monitoring was installed, allowing us now to monitor in real time and in any part of the world our processes in various scopes and sites. Furthermore, we add the permanent availability of Captemp, in support of any issue or difficulty that may arise.

Carlos Caldeira – Quality Administrator of Group LUSIAVES