Case Study

Improving production efficiency for Monteverde

Monteverde

Goals

- Precise traceability of the production process
- Automatic and intelligent line control
- Elimination of paper
- Elimination of human error

Solution

Based on a system consisting of software solution specific to chicken cutting lines.

Resources

- CompactRio
- Virtual PC

The Challenge

Monteverde is a company that deals with providing customized Monteverde is the leading company in quality and reliability in the poultry sector.

It is a very dynamic company focused on finding innovative solutions to satisfy its customers with high quality products.

Monteverde's need is to implement a high-performance and agile software solution to precisely track the entire production process.

TOOLS for SMART MINDS is required the versatile and reliable platform, based on National Instruments acquisition boards, for the automatic and real - time control of Monteverde's production department.

Production Department

Since 1950 Avicola Alimentare Monteverde has been a guarantee of quality and reliability in the poultry sector.

After seventy years it maintains the same family character that has always characterized its supply chain, Italian and complete in its entire production cycle. We directly manage all phases of the production process and the main sites of the company (hatchery, feed mill, breeding farm, slaughterhouse, cutting and packaging) concentrated in the Lombardy countryside, under the watchful eye of experts in the same fields, who have been working for generations, with great passion and extreme dedication.

The use of cutting-edge technologies, adopted in all production phases, allows us to always maintain high quality standards, and no least to respect the environment, tradition and animal welfare.

It is thanks to the careful management of all the phases of the production process, to the application of procedures in compliance with the strict bio-security programs and thanks to other numerous attentions that Chicken Monteverde is a guarantee of taste, wellbeing and high quality.
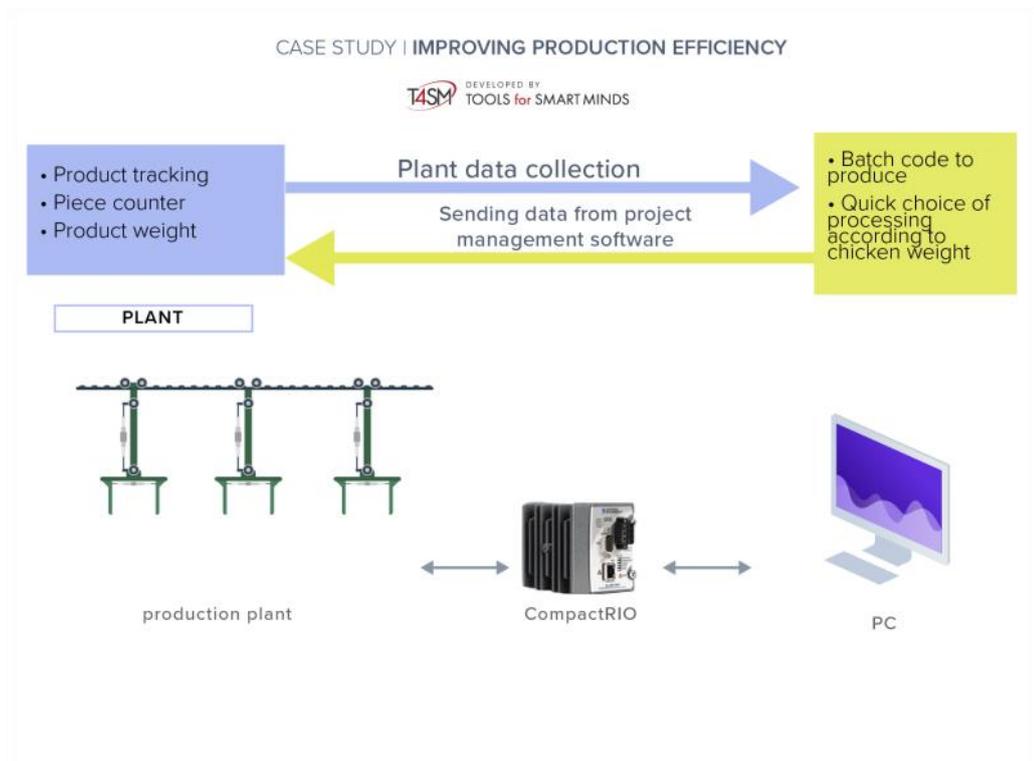
Monteverde

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www.pollomonteverde.it

Solution

To meet all of Monteverde's needs, T4SM has developed a complete ultra-fast, high-performance, efficient and accurate solution.

T4SM's solution for the agile control of the specific production plant for cutting chickens, combined with the implementation of the weighbridge, has allowed Monteverde to improve business efficiency in a short time, automating all repetitive manual actions, such as

- Compilation of paper tables to specify the different production batches processed;

- Activation and automatic control of the stations that must be used;

- Balanced distribution of the processed product in the different packaging points combined with an automatic selection with respect to the configured weight for the batch.

Monteverde Solution Diagram

TOOLS for SMART MINDS (T4SM) is a system integrator that develops software solutions for manufacturing companies.

T4SM is Alliance Partner of National Instruments and the development team consists of Certified LabVIEW Architects (CLA) who have long experience in LV Real-Time Programming and LV-FPGA.

T4SM designs from scratch to high-quality solutions easily integrable with third-party products, which help customers to shorten time-to-market of their systems.

T4SM uses the AGILE methodology for the development of software projects and the co-design of applications with immediate benefits for customers, helping them to gain a competitive advantage over competitors.

For technical support and product information:

www.toolsforsmartminds.com

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Benefits and Results

All goals have been achieved allowing Monteverde to obtain significant benefits, such as:

- **The intelligent tracking of all production line data with one click.** The digitization of the plant data is more precise and faster, allowing an immediate consultation of the information to all company personnel. Therefore, this generates a clear improvement of the production process at all levels, eliminating the paper present in the production department and the human errors of filling in paper forms.

- **Automated real-time plant control.** Having a complete and instantaneous visualization of everything that happens during the production process allows to plan company strategies in the shortest time and to adapt to market, production and quality requirements, thus becoming more competitive.

- **The simplification of work for the entire company** with the easy and intuitive interfaces of the solutions.

Client's Feedback

" T4SM's choice proved to be more than satisfactory. We are very satisfied with the chosen system because it has proved to be extremely effective and innovative, in the same way we were positively surprised by the availability and professionalism of T4SM employees. Without any doubt, our choice will allow us to be competitive on the market and to stand out from all our competitors. "

Azienda Avicola Monteverde