

SCADA- PLC - HMI

Advantages of an integrated System

With a variety of installations and many projects fulfilled and some more in progress, SBIA provides to the client higher technical services and know-how.

We provide comprehensive solutions that can help the final user benefit of what technology has to offer, with the reliability and full time after sales service support.

Whatever are the requirements, with our specialization in PLC and with our extensive range of PLC and automation products we offer the perfect solution exactly for everyone's needs. A SCADA/PLC system well made and integrated represents a secure investment for the future. It allows you to respond to new challenges quickly, flexibly and with low cost.

For the simplest task to the most demanding, we at SBIA have the techniques and knowledge to complete the project in short time and with professionalism.

We collaborate with many well-known and innovative companies and research centers.

Products and Services of high technology.





BENEFITS

1. Supervision of all machinery in the factory.
2. Measurement of up and down time of all machinery.
3. Measurement times of processes within production.
4. Recording and statistical data of damage and downtime.
5. Recording of behavior of all major engine.
6. Recording the behavior of all weight scales.
7. Capturing behavior of packaging and production progress.
8. Tools of finding out what happened on machines, dosing, scales and other equipment in case of damage.
9. Recording the behavior but also the progress of dosing.
10. Introduction to the meaning of production order and tracking all finished based on this code and lot number.
11. Insertion of Lot Nr and names of raw materials, mixtures and finished products.

SCADA SYSTEMS

Supervisory control at any time from one central location.

The remote control systems, surveillance and data collection that we have and build is the ultimate tool for the modern industry and the professional. Increase production, reduce downtime, reduce production costs, compliance with quality assurance standards and tracking raw materials and products are some of the advantages of a SCADA system.

With a SCADA system we can control all functions in a production unit. What makes the system fully functional and smart is the ability for real time control. It is possible at any time to record and check the progress of the production process and at any time to intervene to solve any problems.

Statistical analyzes, data from previous days, months or even from previous years but also measure of the operating time of the machinery production unit, are some additional system tools.

12. Registration and display of products in silos.
13. Consumption and utilization of raw materials from silos.
14. Exhaustion of raw and mixtures and alarming
15. Recording the movement of products from silo to silo.
16. Lot for generating unique mixes and ready products.
17. Recording mixtures per production order.
18. Export data to third party ERP and MES systems.
19. Print labels for finished products.
20. Recording per production order of oils, fat and mineral materials.
21. Recording the electrical consumptions per production order and per process.
22. Management and recording recycles and returns.
23. Application and implementation of energy saving scenarios.
24. Better operator behavior because the information provided live.
25. Reducing idle time with direct and live monitoring of the progress of mixtures.
26. Reduce the likelihood tragic error with a strong impact in production.
27. Possibility of extension and connection of the automations of the rest of the procedures and factories.
28. Remote maintenance and monitoring through internet.
29. Capturing the dynamic production hours and the behavior of operators.
30. Report daily consumptions per lot material and products.

MOLDING MACHINE PLC-HMI

We have developed a system consisted of a PLC control unit and control panel of a plastics thermoforming machine. With the reprogramming of the machine (movement and functions) and addition of extra zones in the ovens to increase the productivity of the machine by 40% and decreasing the errors and starting times.

It has been made an improvement to plastic molding machine from 15 patterns/min to 22 patterns/min.

PLC Control Unit and Control Panel

A modern automation system can provide enough technological and economical advantages.

- ◇ **Increase life expectancy of the machine.**
- ◇ **Reduction of the maintenance cost.**
- ◇ **Improvement of the production process**
- ◇ **Simplification of handling and supervision**
- ◇ **Reduce gaps in production times**
- ◇ **Ability to raise production data**
- ◇ **Possibility of extension**
- ◇ **Networking with other subsystems**
- ◇ **Agreement with all international standards**

PLC MODIFICATIONS

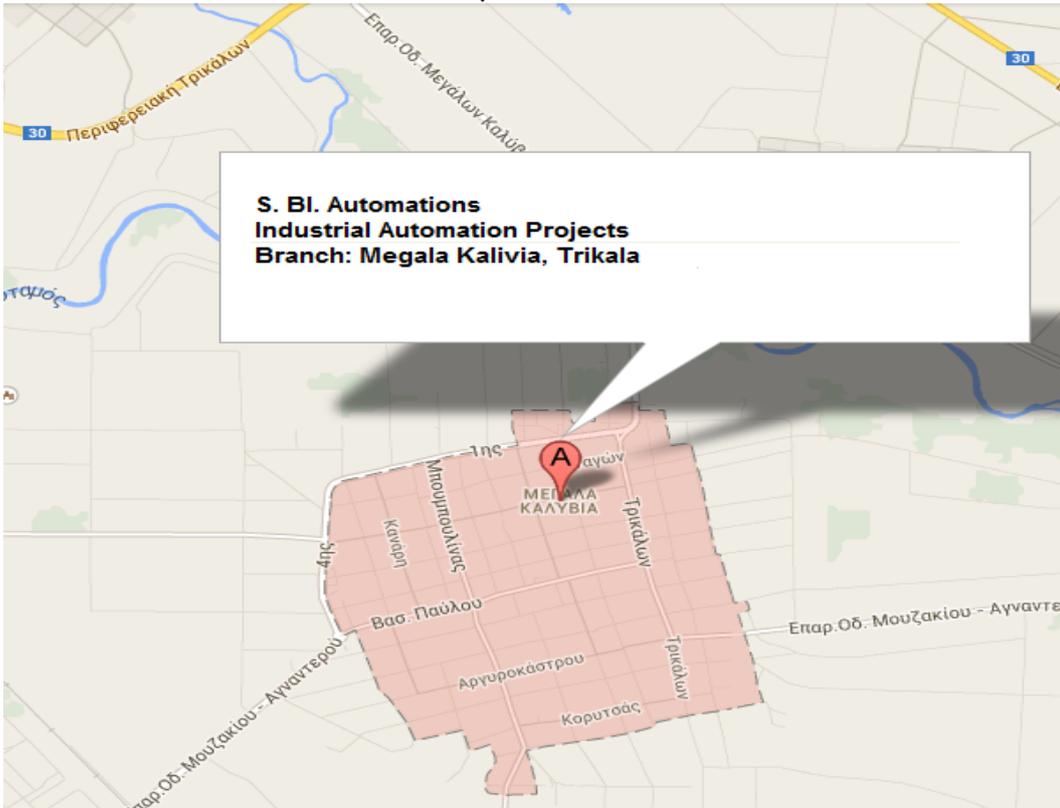
Migrating from an old system to a newest with our years of experience and with dozens of completed projects, we are in position and have the solutions for every type of technology or system.

We can upgrade from any system to S7 Simatic or Modicon M340. That process is called "Retrofit" and includes full study, planning and implementation of the driving system of the machine from scratch.



S. Bi. Automations
Industrial Automation Projects

FIND US HERE 



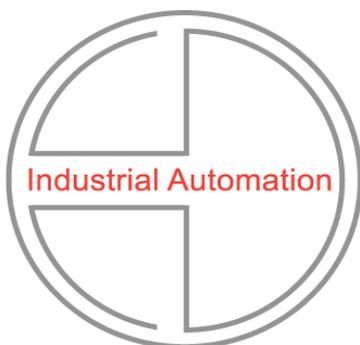
Contact Us

Stamatiou Industrial
Automation
Headquarters: 45,
Phinikon Str, 12137,
Peristeri, Athens,
Greece
Call Centre: 0030 210
590-1871
Branch-Show Room:
Megala Kalivia, 42030,
Trikala, Trikala Prefec-
ture, Greece
Call Centre: 0030
24310 42898
E-mail: info@sbia.gr

SIEMENS

ABB

Schneider Electric



S. Bi. Automations

Industrial Automation Projects