



## Innux Production

In an increasingly competitive world and with increasingly reduced profit margins, companies are constantly looking for new, more efficient and productive operational processes. It is not enough to modernize systems and equipment, it is necessary to have a fast and accurate method that balances its effectiveness. This is where the InnuxProduction control and monitoring solution comes in.

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## Introduction

Do you know what stage of the production process a particular job is at in your company? The question is whether it is possible to obtain exact data on the cost of labor and the work being carried out? Do you believe that there may be a more effective method to analyze the performance of each employee than the control of their attendance?

The solution to all these questions has a name: InnuxProduction!

InnuxProduction is a software that analyzes your company's production process in real time. The system combines a monitoring application with a set of small terminals distributed throughout the company. These can be external barcode scanners for faster data entry. Due to their robustness and durability, they can be installed even in the most aggressive manufacturing environments. The connection between the software and the terminals is carried out through a common, low-cost structured network, taking advantage, if possible, of existing infrastructures.

## Operation

For a given job, a work order is created in InnuxProduction - printed with a bar code and can contain information about all the tasks necessary for its accomplishment. This order accompanies the work to be carried out in all its phases.

Whenever you pass by an employee, a set of relevant information is collected: the employee's number (by identification card), the assembly line where it is located, the manufacturing order number, the task to be performed, the machine to be used and the quantity produced. This information can be entered into the terminals via the keypad, RFID reader or barcode reader.

A simple question-answer dialog appears on the terminal's LCD, through which the employee enters the necessary data to validate the transaction, while the software associates the date and time of the transaction, keeping all the information accurate, coordinated and up-to-date.

The terminals are simple to use, even by the most skeptical employees or those resistant to new technologies.

Additionally, and because each company has its own nomenclatures to distinguish each process, InnuxProduction allows configuring their names to facilitate the introduction of the new system. Because at Innux it's not our customers who have to adapt to our systems - we develop solutions that adapt to our customers!



## Benefits

Is it worth investing in InnuxProduction and installing a network of terminals in your company? See for yourself the advantages of our solution!

- *At what location or stage of production is a particular job located?*

There are dozens or hundreds of production processes taking place at the same time in your company. What if a customer wants to know what stage of production their work is in? Looking for it physically is a waste of time for qualified personnel.

- *How much did it cost to produce a particular job? If you equate all the hours of direct work, and the costs associated with the time of using machines and other processes, what would the final cost be?*

Nowadays, companies resort to the "work sheet" that is filled out manually by each employee throughout the day, noting the start and end time of each task they work on.

However, and because time is money, the sheet often ends up being filled out in the last fifteen minutes of the day, when the employee has little recollection of what he did 7 hours ago. Even if correctly filled in, someone would have to enter the data into a computer program so that they could be processed.

- *Now imagine having accurate information to the second of the beginning and end of each process, or knowing when the work of an employee on a given order begins or ends. Convinced?*

# Control Software and Production Monitoring

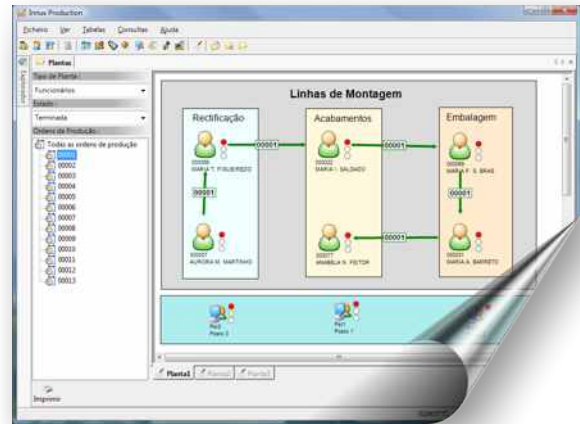
## Benefits (continuation)

- *What work did a particular employee actually produce today, this week, or this month?*

Not all employees have the same productivity and it is only fair that the most productive are rewarded for their performance. InnuxProduction allows you to analyze the exact productivity and evolution of each employee, department or company throughout the day, week, month and year, and even in which task each one is more or less productive. This system is a valuable tool for your business because it will allow you to analyze what is going well and correct what can be improved in your company.

## Other Benefits

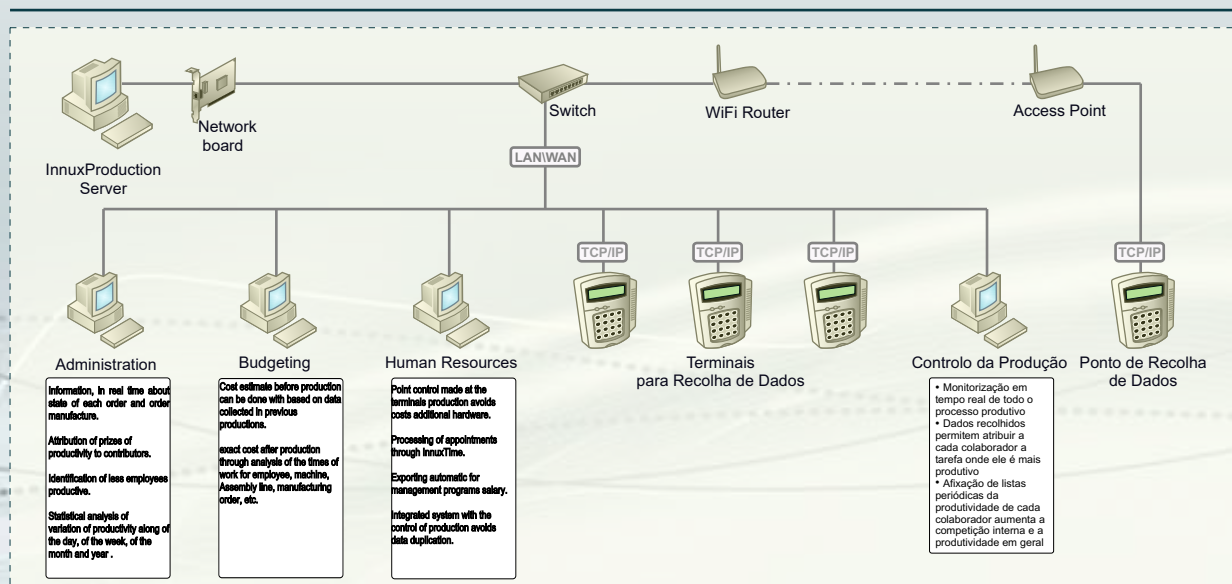
- Implementation and maintenance of employee incentive programs;
- Detection and correction of traffic jams on the production line
- Access by a manager to real-time information on the company's production processes (provided he has access to the company's local network)
- Accumulation and analysis of statistical data
- Accurate accumulation of machine uptime for use in preventive maintenance programs
- Tracking of production batches at each stage of production (this data can be easily compiled and used for audit and quality control purposes)
- System connection to raw material and finished goods inventory programs for automatic updating of information
- Simultaneous use of terminals for timekeeping for attendance control purposes



## Graphic Information

InnuxProduction allows you to graphically visualize what is happening at any given moment in the company. Through an internal software tool, it is possible to design the entire physical layout of the production areas, and place objects that simulate employees, machines, assembly lines, among others. A traffic light over each object signals the status of each of these elements, indicating in real time whether they are active/inactive. With a double click, get detailed information about the work in progress as well as the history of the work already done. Click on one of the orders available on the left sidebar of the window, and follow the arrows that indicate the route taken by the order within the company.

## Physical configuration of the solution





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