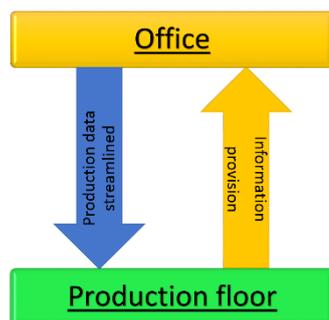


Visual Link Software Streamlining Product-Information

Introduction

The need to fully control the production process from the office environment has strongly increased during the past years (regarding the quality assurance and availability of means of production (people, machines and materials)). The production environment should provide this information need with reports. The pressure on an operator is steadily increasing as the demand for information feedback increases. This (undesirably) changes his position of product specialist to administrator.

The solution to this problem lies in streamlining production data. This occurs from the office to the production floor and vice versa. The intelligent Visual Link software package has been especially developed to realize this.



In many manufacturing companies there is a paper flow of orders, schedules, formulas, reports and charts. Information about the production process is straightforwardly provided through automating this paper flow and gathering the data which becomes available.

Visual Link software

In recent years there has been an enormous amount of knowledge gathered concerning production optimization. All this knowledge has been incorporated into one operational MES-package known as Visual Link.

Visual Link software collects, processes and shares production and process data. In addition, the package provides for the automation between your office- and production environment. The software package consists of three separate software modules, which are complementary to each other, and can be implemented in phases.

The development of Visual Link is based upon the ISA 95 standard. This is a manner of software development in which the automation between the office- and production environment occurs at the most favorable investment level with manageable risks. Moreover, through tailor-made optimization the Visual Link Software can meet your specific operational requirements. Visual Link is able to communicate with all existing order management systems and PLC brands. Visual Link is installed on a Linux operating platform which makes it extremely stable, powerful and secure. And last but not least, you will not be surprised by expensive user licenses.

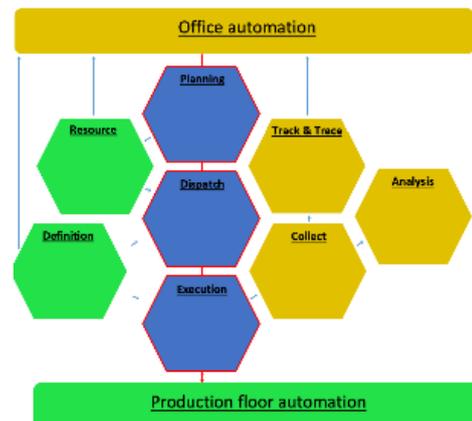


Figure 1 Visual Link ISA 95 procedure

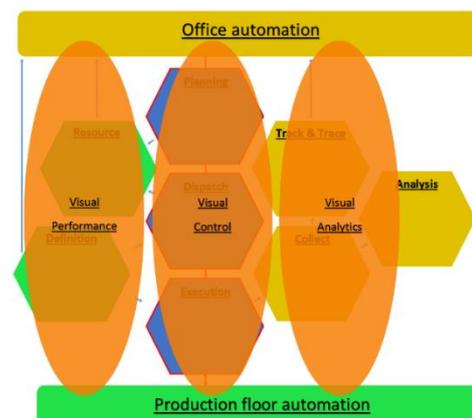


Figure 2 Visual Link software



Visual Control

The starting point of the Visual Link software is the Visual Control module. This module ensures that the order will be automatically redirected from the office environment to the production floor. Each MES integration project starts with the implementation of the Visual Control module.

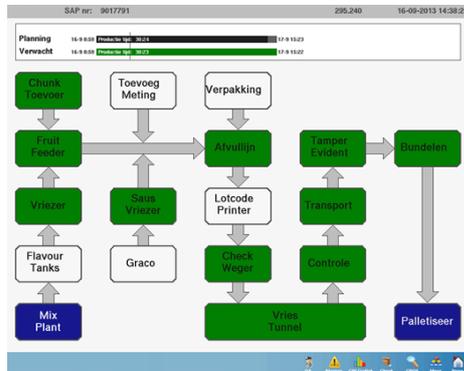


Figure 3 Visual Control

Visual Performance

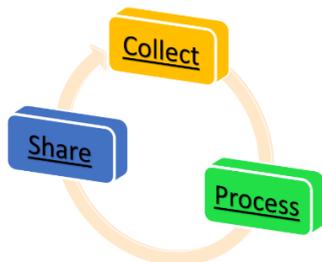
Do you want to make your production process optimally controllable from your office environment? The Visual Performance module offers solutions. The performance module ensures that the order arrives at the production floor and is completely and correctly accompanied by information concerning the allocation of people, material and machinery.

Visual Analytics

The Visual Analytics module streamlines the large amounts of data which are released during the production process. This data provides you with the tools to continuously improve your production efficiency and increase the quality of the product itself.

Filosofie

Our 'Collect , Process, Share' philosophy concerning data processing and software engineering is fully integrated in the Visual Link software.



It goes without saying: production data will have to be collected first. The next step consists of processing and managing the data. Finally, this data is clarified in an orderly manner and shared.

You are in control..

Through a correct implementation of the Visual Link software package an increase in production will be realized. There is a good understanding of production losses. This makes optimization easily realizable. In addition, unambiguous information ensures error reduction. Production changes are applied quicker causing an increase in flexibility on the production floor and throughout your organization at large. Finally, the entire production process is less prone to errors due to the central management of the machine parameters and product formulas.



Figure 3 You are in control

Overall, Visual Link software increases production, decreases costs and improves quality.

"From measurement to improvement"; our goal for the integration of Visual Link software.

Visual Link integration:

- Exchange of information between logistic- and administrative level and automation at the production floor. Visual Link is een 'tailormade' visualiserings-, archiverings- en data-analysesysteem voor procesdata.
- Visual Link is a tailor-made visualization, archiving and data-analysis system for process data.
- Visual Link has no limitations for overlying nor underlying software layers.
- Visual Link meets your specific operational requirements.
- Experienced software engineers are able to define and translate your information desires into overviews which are insightful at the right moment in the production process.
- Visual Link makes use of the standard ISA95 in the development of a MES-interface.

Interest

Would you like to know more about MES integration by using the Visual Link software package. Please contact one of our specialists at the Industry department. Tel: +31 (0)341-252688 or mail@hellebrekers.nl