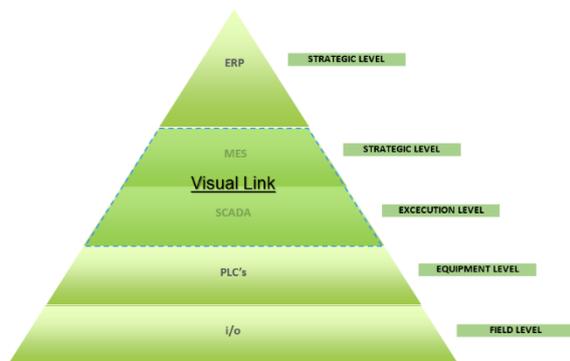




## Mes Integration by Hellebrekers Technieken; A continuous optimization of your production process

### Introduction

Business processes have to respond ever more effectively to sudden market changes. It is therefore necessary that there is a flexible and rapid exchange between software at the logistic- and administrative levels and the automation at the production floor. The MES (Manufacturing Execution System) layer provides this translation.

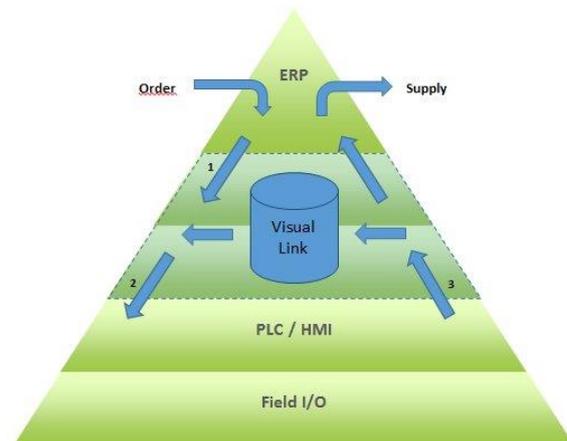


### MES

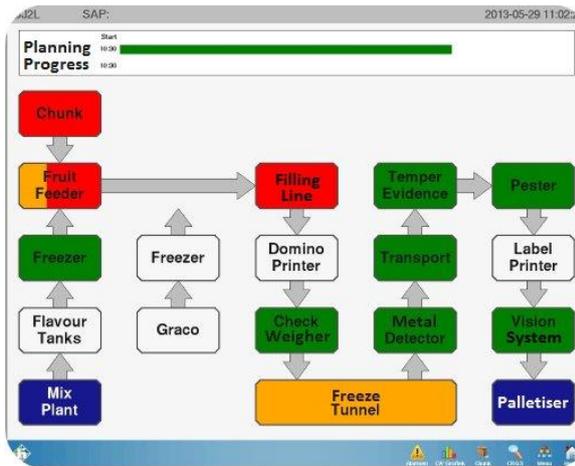
MES includes all software at the level between your office environment (e.g. ERP/SAP software), and the production environment (e.g. PLC control). Office automation focusses primarily upon the end customer. All orders and their completion processes are monitored, both logistically and financially. The production environment concentrates mainly upon the production process. It maintains the proper process circumstances. The MES-layer fulfills an intermediate function since it focuses on the product itself. At MES-level it is decided and recorded how the products are made (according to which formula), in which order, and with which materials (tracking and tracing). The MES-layer provides an integrated automation between the office- and production environment. In bygone days production administration would use pen and paper, and manually retype data. Now, Visual Link Software by Hellebrekers Technieken makes the documentation of the production process more flexible, efficient and clear.

### Visual Link software

Visual Link Software collects, processes and shares production and process data. The Visual Link Software package consists of three main modules, which optimally connect together. 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.



At the heart of the Visual Link Software lies its database. A web application develops the database which includes, among others, unique order numbers and unique product codes from the order management system. The database itself contains additional product information which is linked to the unique products. The operator chooses an order number. Visual Link combines the data from the order management system with the product information in the database and adjusts the machines correctly. The part of the data from the PLC control about quantities, waste, malfunctions and the like is stored in the database during the production process. The other part of the output data is transmitted to the order management system.

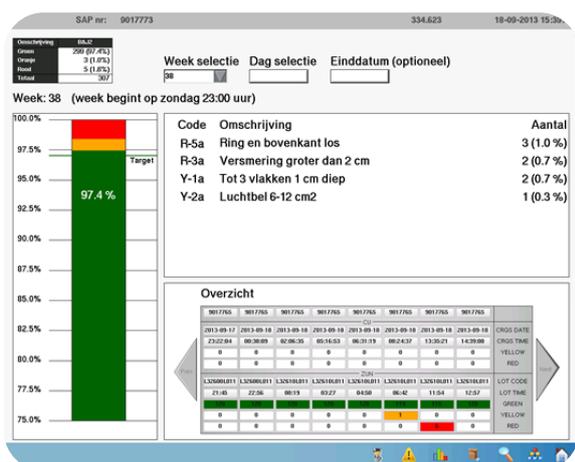
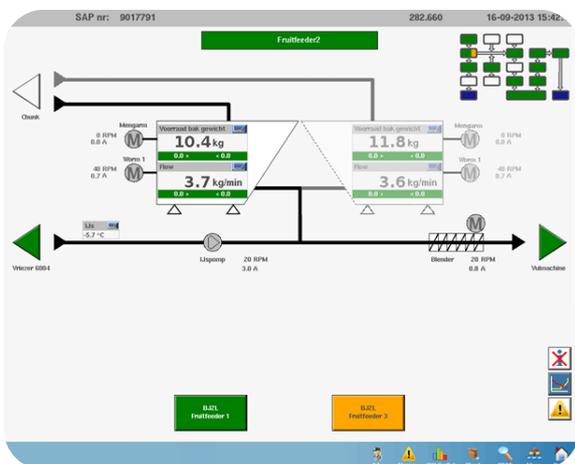


Practice shows that MES modules from one supplier properly connect. It is much more difficult to connect the MES-application properly to the office- and production environment. Vertical integration is often the largest bottleneck. However, Visual Link software is not limited by any connections. Visual Link has simplified the vertical integration of the MES-layer.

*"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 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 of Hellebrekers Technieken. Please contact one of our specialists at the Industry department. Tel nr. +31 (0)341-252688 or send an email to: [mail@hellebrekers.nl](mailto:mail@hellebrekers.nl)