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Holland Innovative at the High-Tech Campus, Eindhoven

Since August we are located at **High Tech Campus 9** in the **β-Technology Center** next to Philips.

This means we now have at our disposal our own beautifully situated offices and training centre in the middle of research and technology development.



This is, of course, a milestone that we do not want to go unnoticed and therefore we are planning an **official opening** of the new premises on **Thursday 22 November** from 16:00 onwards. We will be hosting a mini-symposium (dutch language) which will be followed by an informal reception.

16:00-16:10	Official opening by Marcel Borger, Black Belt program manager, Philips Medical Systems – Imaging Systems
16:10-16:30	Integral Project Management in a changing environment, Hans Meeske and employees Holland Innovative
16:40-17:00	Reliability Design by Design for Six Sigma Henk van Haren, Global Quality Manager, MBB, Bosch Security Systems / Initiator DfSS Dommel Valley
17:10-17:30	Partner Network Group, the Power of a Network! Henk Stoltenberg, Director Mecon / Initiator Partner Network Group
17:30 - ...	Enjoy our drinking together!

At our new site we already are organising the training sessions for the DfSS Dommel Valley in conjunction with the University of Amsterdam. Regular seminars with speakers and topics of high interest are planned. Any ideas and/or suggestions you may have are very welcome!

In this way, and in collaboration with the DfSS Dommel Valley and the Partner Network Group, we hope to add substance to the company's three pillars which are as follows:

- Technology
- Project Engineering
- Project Management.

For our customers this means that we can offer both specialism and specialists for any service, from tailor-made advice to turnkey projects to the assigning of a specialist on site at your location. This results in **flexibility** and access to up-to-date **"know-what"** and **know-how**.

We hope you enjoy reading this newsletter. Please do not hesitate to contact us if your curiosity has been aroused.

Hans Meeske and personnel



Reliability Design in the Dommel Valley

We are able to look back upon two successful Reliability Design Events organized by the DfSS Dommel Valley at the High Tech Campus over the last two months. The participation of all of the High Tech leaders (ASML, Assembleon, Aalberts Industries, Bosch, FEI, NXP, OTB, Philips and many more reputable companies) ensures that the most is made of the platform's objectives: focus on **design for reliability**, the **cross-fertilization of ideas** and increased **innovative power**.

The DfSS Dommel Valley focuses in particular on Low Volume/High Capex industry, which is characteristic of the Eindhoven area: Dommel Valley

The DfSS Dommel Valley is an initiative of Aalberts Industries (Industrial Services), Philips Medical Systems, IBIS University of Amsterdam and Holland Innovative. The platform has now been extended to include Philips Applied Technologies, VDL-ETG, Bosch Security Systems and Sensata Technologies.

There are now more than 40 Black Belts in training and the start of the international Black Belt Training (wave 5, English language) is planned for February 2008. Additionally, Green Belt trainings are planned from January 2008 onwards (www.DfSS-Dommel-Valley.nl).

Beside the training programs we also are offering Master Black Belt support for coaching of Black Belts and execution of complex projects.

Integral Project Management for Anteryon: WaferOptics

Anteryon evolved when Philips Optics, with its 130 employees, became an independent company. Anteryon offers innovative optical system solutions for clients all over the world. A department has been set up within Anteryon to work on the development of a new production method for Integrated Lens Stacks (ILS).

Anteryon has a wide knowledge of and broad experience in the mastering and replicating of optical elements. Originating from the replication of single optical elements, a technique has been developed in recent years for replicating several thousand lenses at wafer level simultaneously (WaferOptics). In addition to setting up the very first production line, the scope of the WaferOptics project includes developing products and processes.

A great deal of interest from around the world has been generated for the result of the WaferOptics project: Integrated Lens Stacks (ILS). Production of ILS is due to start in 2008, resulting in full mass production in order to be able to satisfy market demand.

The project team responsible for setting up production comprises approximately 30 project members from various disciplines.

Subprojects being worked on include:

- The development of new camera lenses for cameras in, for example, mobile phones.
- The development of the corresponding physical and chemical production processes.
- The setting up of the first production line for these products. The fact that each potential client has its own specific requirements for design is to be born in mind.





In addition, work on optical designs and their feasibility has to be carried out within the company and all the necessary processes and corresponding equipment need to be developed. Furthermore, production needs to be organized to requirement.

Time to Market

With market demand strong, time to market is of vital importance to the success of this project. The project team has to develop its product and processes to client specifications which are continuously being modified, or are vague, and from which specifications within the project are to be derived. In short, the project is run unconventionally. Process development, equipment development and the realization of production set-up are being carried out in parallel.

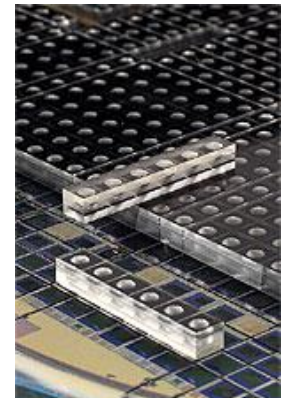
Organization & Interplay of forces

All of the essential physical and chemical processes are being worked upon by various teams within the project. Each process owner (subproject leader) reports to the project manager. The integral project manager regularly consults with the steering committee, which includes shareholders. The project is managed and maintains its transparency by means of clear decision moments.

In addition to the WaferOptics project, Anteryon designs and manufactures various optical products for existing and new clients - its regular business. On the one hand, the WaferOptics project may not disrupt regular business; on the other hand the project completion date is sacrosanct!

WaferOptics provides Anteryon with the opportunity for penetrating the mobile phone camera market. Tapping into such a large new market results in an interplay of forces which greatly influences the capacity of both the development department and the project itself.

It also entails providing new clients with product samples to be designed in. Samples are supplied at both single and Wafer level; this also contributes to the interplay of forces within WaferOptics.



The Integral Project Manager, as part of a service provided by Holland Innovative, is responsible for the project being realized on time. This entails setting up and maintaining a clear project structure, making team members enthusiastic about the project, particularly when, temporarily, things are not going well, ensuring accordance with the steering committee and negotiating project targets, identifying mutual interests and stakeholders, etc.

This all results in production of a new product, complete with new processes and resources, being up and running within a new organization in 2008!

Walter Versantvoort
Integral Project Manager
Anteryon, 3 July 2007

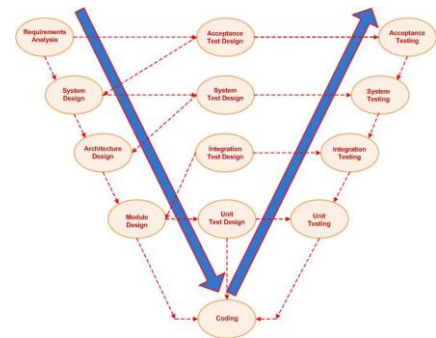
GAMP: Good Automation Manufacturing Practice, a contribution by Nozhup

GAMP is a methodology which is applied by companies within the pharmaceutical and medical device industry in order to enable them to comply with industry legal or regulatory requirements. The legislation is imposed by authorities including the Food and Drug Administration (FDA). The FDA is a US government agency which has established rules for the manufacture of medicines and medical devices and also monitors whether these rules are observed.



GAMP methodology was designed and is being actively developed by people from within the pharmaceutical and medical device industry. The reason for establishing the methodology was to lay down clear working practices from within the industry. Over the years, the GAMP standard has developed into a system which meets a need for validation (the documented registration of the requirements made of a system and the testing of the requirements) and further into a method which can also be used for the precise identification of shortcomings (product rejects, system standstill, for example). In other words, developing and testing in order to be able to guarantee product quality, but also development by taking, for example, maintenance intervals or the interchangeability of components into account.

Within GAMP methodology, this has been solved by applying a risk-driven approach. This means that any risks which could have adverse consequences for the product or for system operation are already taken into consideration in the design phase. The risk-driven approach is interwoven into the whole methodology for designing, building and testing the system.



Reactions

We would be happy to hear from you. If you should have any questions or comments, please contact us or send an e-mail to:

hans.meeske@holland-innovative.nl or
joost.van.der.heijden@holland-innovative.nl.

We would also be pleased to hear about any preferences you may have for specific topics, for example.