



Langtved Data A/S

Newsletter

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LANGTVED DATA A/S

Introduction

In this issue we have news about products and customers:

Genetics System for Region North

Problem Solvers!

Genetics Pedigree Program

Chimaerism Module for the IHL System

Dynamic Links.

Multiple databrowser Windows

Replacing old data access libraries in The Allergen Application.

Product in the Pipeline.

User Meetings in October.

Product List

We would like to take this opportunity to wish our customers and business associates a Good Summer!

Tor Foss Mortensen

Managing Director



Genetics System for Region North

On the 11th May 2009 an agreement between Region North in Denmark and Langtved Data A/S was signed for the supply of a genetics system for a newly created department, headed by Head Consultant Kirsten Rasmussen.

The system is to be identical to The Aarhus Genetics System with the exception of logos and letterheads.

This means that the system will include the features of: patients and relatives look-up in Danish Central Person Register, and built-in reporting of Diagnose Related Group data for the Health Ministry.

The order also includes a training and test database.

We have submitted a preliminary test database temporarily installed on a laptop PC, and are busy with preparations for installation.

We thank Region North for the order.

We are naturally proud of the confidence which the department has shown us, and we will do our utmost to live up to it.

The strategy of discussing common new properties in Genetics has borne fruit so that a high degree of reuse has been possible. This makes for less expensive and better products and ensures better communication between departments.

We also pleased to note that Langtved Data A/S within the market for Genetic Counseling Systems in Denmark now has approx. 50% market share.

Problem Solvers

Langtved Data A / S originally started as a company that solves IT-problems of any kind. We accepted and solved tasks that other companies would not touch or only solved at a very high price. Most of our best-selling products such as IHL, Allergen and Genetics are derived from former "homemade" systems that solved their tasks very well but were not quite able to withstand the test of time - often because of lack of maintenance.

Sometimes, we are asked whether we can solve problems that lie a bit outside the usual. Such a task was recently passed on to us by a customer asking if we could develop a solution that would feed 4000 data sets into a Web page, collect the results and put them back into the spreadsheet that the data originally came from. The challenge had to be resolved quickly because the results were to be used immediately, and the alternative was to laboriously enter the data manually and collect the results - wasting time and potentially creating errors from



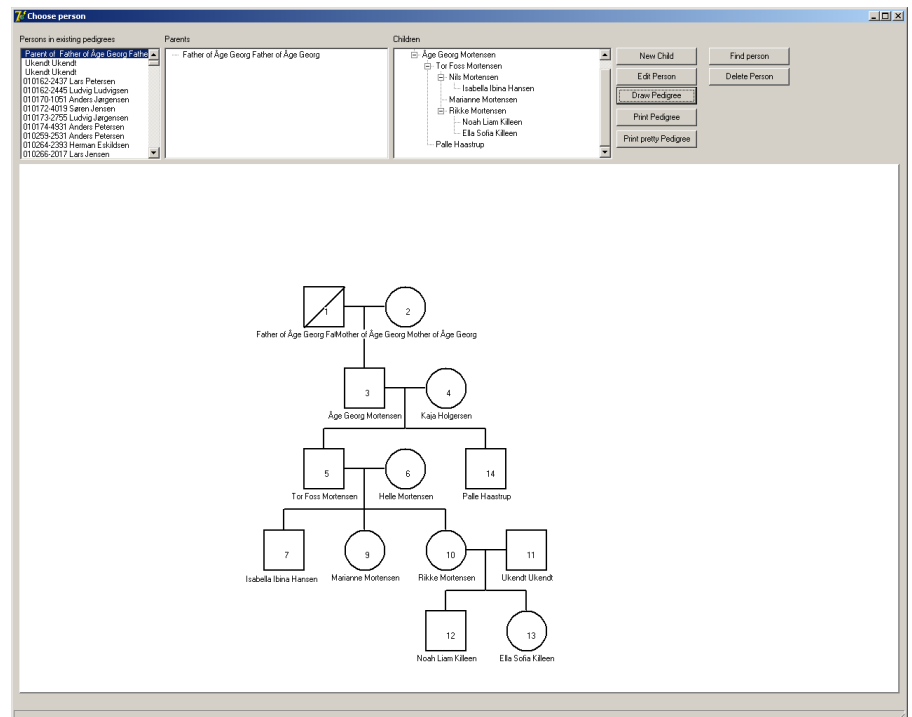
typos. We found a solution and delivered the product to the customer's satisfaction. The program has now been run several times with different populations and scenarios.

This leads me to point out that we still focus on problemsolving and if you, our customers and business associates, have problems that are unconventional but important to resolve, let us hear about them!

Genetics:

Pedigree Program

A prototype for a pedigree program has been developed and a corresponding draft for a set of requirements. In talks later this year Aarhus University Hospital as the original initiator to the program is expected to help us design the program. Below is shown a screen shot from the prototype with test data.



The program will be connected to the Genetics data base and may also connect to the public Central Person Register in the Nordic Countries of Europe, which would improve efficiency and reliability by lookup of key personal data in a secure manner.

IHL

Chimerism Module

During the summer The Immuno-hematologic Department at Aarhus University Hospital will begin to perform allogeneic stem cell transplants. There is therefore a need to record and send answers to the follow-up assessments known as mini-chimerism. The quantity relationship between the patient's and the transplanted donor cells is continuously assessed.

LDB Desktop

The idea is that the transplanted cells over time replace the patient's own cells. To monitor the relationship between the two cell populations a set of markers that gives a different signal from the patient and donor cells is identified.

Langtved Data A/S has developed a module to handle these inquiries for The Immuno-hematologic Department in Aarhus, where the result is displayed in a graph indicating possible follow-up transplants.

In addition, we have also developed a module for handling the transplantations operations and data about the donor units and volumes and dates of the transplantations.

The module will support the ongoing development efforts under way in the analysis and treatment of Leukemia.

Langtved Data A/S has a very good cooperation with the IHL. Look on our website for further evidence of our cooperation with the IHL.

Multiple Databrowser Windows

The latest version of LDB Desktop due for release shortly, will besides some bug fixes, provide an option to keep several data browser queries open simultaneously. This is similar to having several LDB Desktop client programs open simultaneously on the same database but with the difference that the environment such as the last-used CPR no will work in all queries. Also the computer resources are saved on the user's PC because it only runs one program.

In the Genetics System it means that one will be able to work with a family while opening data for the individual family members.

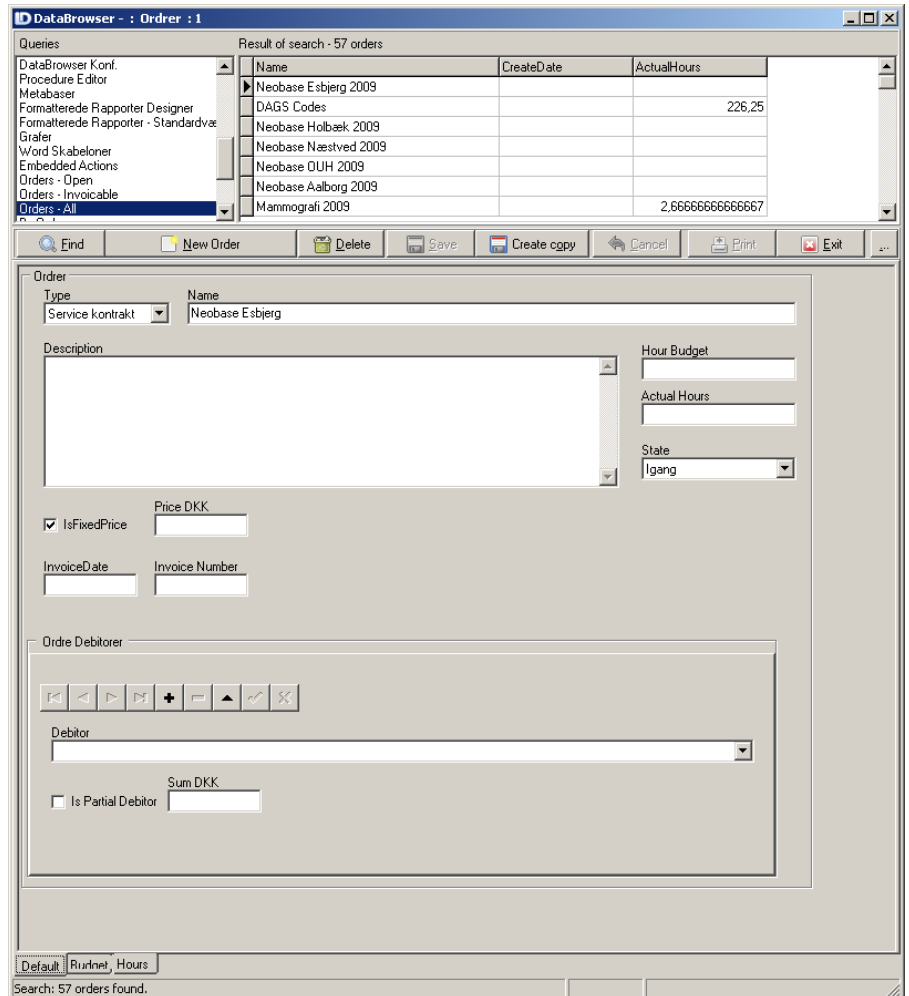
In the IHL system it means that one would have access to patient samples, data analyses and freezer data simultaneously.

Individual results are shown as tabs at the bottom of the databrowser.

The following is an example from our own time-recording system. The only visible difference from previous releases is that there are tabs which shows "Default, Budget and Hours" below.

The tab is opened by right-clicking the query and selecting "Open in new tab." It will also be possible to right click on the result set in the top right panel and thus get two objects from the same data tree.





Dynamic Links.

Langtved Data A/S plans to introduce a completely new functionality called Dynamic Links. The links - together with Multiple Databrowser Windows - provide a substantial improvement of the navigation between data trees.

The functionality is comparable to the "Open as a new tab" capability we know from web browsers.

In Genetics this would mean that it is possible to move from a person to the corresponding family by pressing a button.

From the family, other persons belonging to the same family may then be reached without making a new query.

Modernization

As part of our continuous improvement of the older systems we have, in agreement with the Knowledge Center for Allergy, replaced older database access routines, which were in danger of becoming unusable, with newer ones so that the software is future-proof.

This change also means that our two main applications now

Allergen



can begin to share program modules which provide us increased productivity and you lower prices and better products.

There are 3 regional Allergen databases, a National database, and 9 Web-based databases.

LDB Desktop.

Improvements in LDB Desktop 8.6:

- Improvement of report facilities: Dynamic page numbers in reports and support for multiple paper formats.
- Grouping of reports on the main menu.
- Better handling of long text in the lookup fields. The longest text in a lookup determines how wide the lookup list will be.

Improvements in LDB Desktop 8.5:

- Improved and more detailed logging

User Meetings

October

We invite you to a new set of user meetings in October. We are thinking along the lines of a user session for users of The Genetics System and a user meeting for Molecular Biology Laboratories. A joint meeting for our UdenRegions, NeoBase, and DRG users is also contemplated. We will contact the users directly to arrange meeting times and locations.

Product List:

- **Central Personal Register lookup (enhanced).** Discussed in last issue.
- **Remember last CPR No.** The system automatically remembers the last used CPR No. which is automatically entered where relevant.
- **Test database and Training module.** We have found that almost all of our users have benefited from a test and training database. We would like to encourage new users to acquire a test and training database. It is very useful for getting an overview of how new features in LDB Desktop can be used, for testing self-developed reports and for training of new users without the risk of introducing errors in the database.
- **Training.** More training, especially for self-developing



reporting is a common user need. We can tailor courses on both general and specific application orientated features.

- **Barcodes.** LD offers input through a barcode reader.
- **Automatic Updates of lookup tables** Reference numbers for Danish Health Care providers are open for changes constantly. In many systems old numbers need to be kept alive for historical and diary purposes but it must also be ensured that they are not reused for data entry. To check this manually is cumbersome and errorprone. We offer automatic import and updates from the Danish Health Agency (Sundhedsstyrelsen).
- **Data from Metasystems.** Data from Metasystems Ikaros may be automatically transferred.
- **Space Allocation in the Freezer.** The freezer table functions as space allocation / reservation in the freezer and can, of course, also be used for lookup of patient samples.
- **Copy tabs feature.** For some records (e. g. reports) it may make sense to copy table rows or entire tree instances. An example could be a report that you wish to improve. At the same time you wish to keep the original. This is now possible. Since it is a very powerful feature, it will normally require special rights. If you need it, talk to your system administrator.
- **Automatic update of the Danish National Patient Registry (Landspatientregisteret) from Genetic Counselling.** This task is important because it transfers the record of the organizational unit's performance. Although this feature was specifically designed for Genetics it is offered to all hospital departments in Denmark.
- **Improved invoice control and Accounts receivable** This feature is an option for UdenRegion. Invoice Checking can be improved by having invoice lines compared and reconciled automatically with notice letters. This may be done electronically and is estimated to generate direct annual savings far greater than the cost of the improvement.
- There will be other improvements through the introduction of improved invoice control, including a work list of accounts receivable from other regions

