

## **DATABASE WAREHOUSE WORK and SPECIAL APPLICATIONS**

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### **Lims1 Databases**

Lims1 databases are fully relational and designed for client/server applications.

Three primary databases are employed in the system...

- LimsDB** : Contains all data tables related to core system operations.
- HistoryDB** : Historical data tables for long term storages.
- AccountsDB** : Database Tables related to Lims1 Invoicing and Accounts Management.

### **Special Applications**

There are a range of standard tools and applications for accessing data from these databases to provide the following services...

- Development of Custom Reports.
- Development of Custom Applications.
- Export of Data to 3rd Party software.
- Export of data to Corporate Databases (SQL Server, Oracle, Access, etc.).
- Use with website services.

These services can be developed/provided by LTech technical staff or by in-house IT support staff.

### **Lims1 Special Application Modules Currently Available**

#### **Sample Kit Module**

Application for preparation, distribution and return of sample container boxes and containers for sample collection and return with record lists, sample documentation and sample labels. Returned samples may be automatically logged into the core Lims1 system for processing using barcode labels.

#### **Sample Storage Module**

Sample logged into the system assigned to storage locations with dates, client, sample storage, disposal details and other information. An audit log of all samples stored and disposed is maintained.

#### **Work Scheduling**

Laboratory work scheduling by Laboratory Groups, Staff and resources available using calander work schedules. Automatic Registration of laboratory work based on scheduled dates.

#### **External Site Data Transfer**

Use of emails or website services for log-in of samples from clients and return of results on completion of work using XML and other standard data transfer protocols.

#### **Data Export - csv/txt files**

Creation of csv or txt data export files with user defined formatting. Formats may be developed using the Lims1 Report Format Generator.