



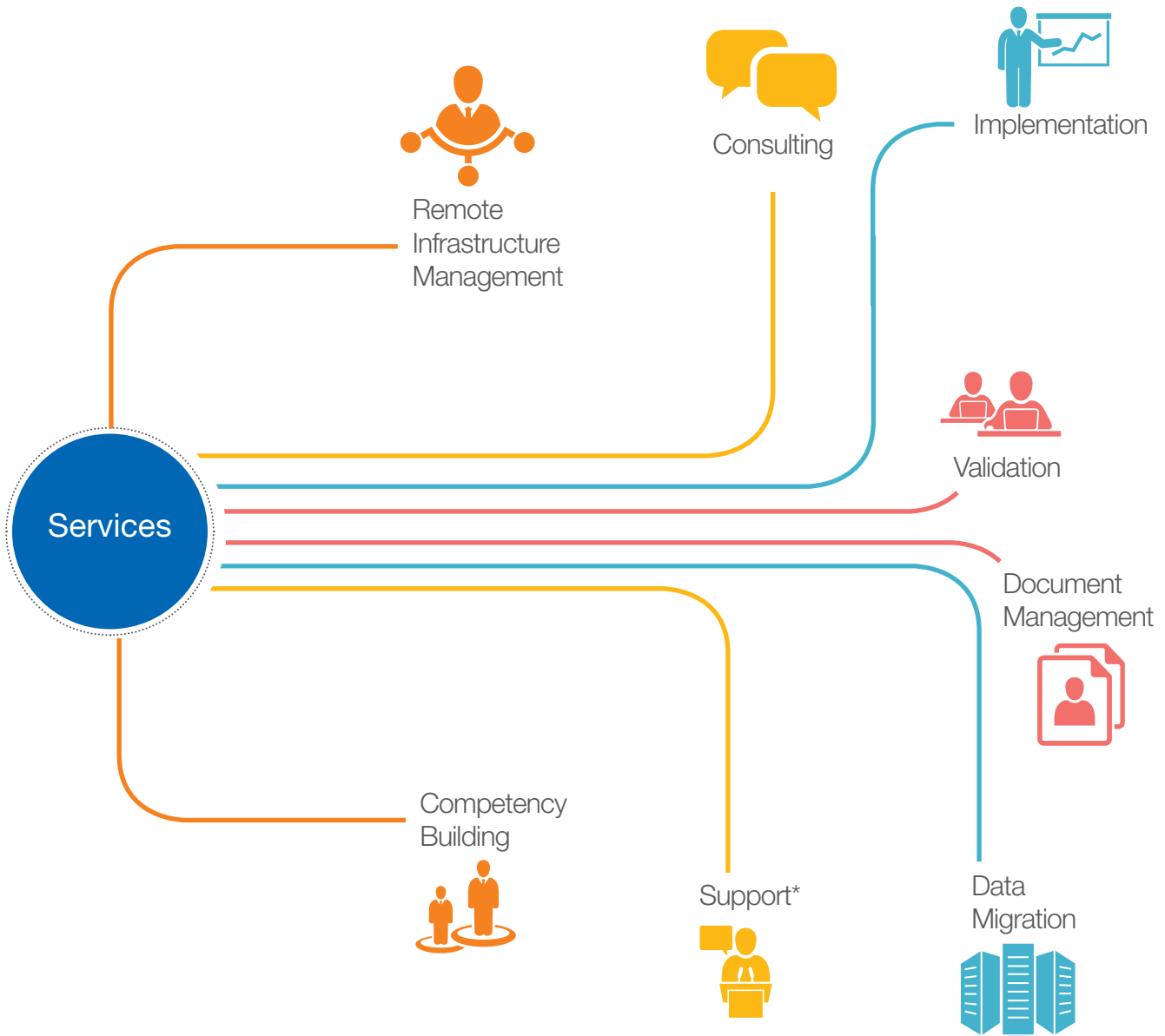
**LAB AUTOMATION**  
@ HCL

# HCL LAB AUTOMATION PRACTICE

In the Lab automation practice, HCL has a pool of consultants serving entire value chain of the Lab automation process industries. This practice gives required confidence to address the major industry segments like, the Life Sciences and Healthcare, Manufacturing, QC, R&D, Bio repositories, Contract Laboratories, University/ Government/Private Scientific Research Laboratories. The Lab automation practice has the consultants on the Certified COTS LIMS LabVantage, LabWare and SQL LIMS Consultants, water and Agilent Certified consultants. The overall Lab Automation services portfolios are divided into 8 segments which are shown in the diagram below. The lab automation practice has the following expertise in the various service portfolios:

- Lab healthcare and software setup supports
- System Blueprinting
- COTS Implementation & support (Customization and Configuration)
- Device Interfacing Expertise
- Application Migration – Migration from any legacy applications to standard cots product
- Report Development in Crystal reports, BO, Info-maker and Jasper
- Enterprise Connectors with ERP/MES
- COTS Patch Upgrades and Vendor Co-ordination





*\*Maintenance, Customization and Configuration*

# HCL LAB AUTOMATION PRACTICE

HCL Lab  
Automation  
Practice



## Business Reporting

Dedicated support to Create report using COGNOS and Business Object (Crystal reports)

## ELN

| Velquest's Smartlab GMP ELN | Waters ELN  
| E-Workbook Suite 7.1 from IDBS  
| SYMYX CambridgeSoft ELN

## System Integration

Dedicated connectivity with SAP and MES

## SDMS

| NuGenesis from Waters | OpenLAB from Agilent

## Instrument Interfacing

| LIMSLink/Nexxis/Collector | Labstation  
| Logilab Pro

## CDS

| Empower | Totalchrome | Turbochrome  
| ClassVP | Chromeleon | EZChrom  
| ChemStation | Atlas

## Data Migration

Dedicated support to Migrate legacy data From structured/un-structured sources

## LIMS

| STARLIMS | Sapphire | LabWare LIMS | SQL  
\*LIMS | Darwin | SampleManager | Nautilus  
| Watson | Galileo | LabManager | Kinetica

# HCL SSLA™ AT A GLANCE

## Software Selection

- Quick health check of laboratory
- Lab Audit Report
- Comparative Scorecard Report of Lab Automation product based on lab audit report
- Assist to prepare RFP
- Assist to select Lab Automation vendor

## Application maintenance and Support

- Customization and configuration of Lab Automation product along with new report
- Support to version upgrade of Lab Automation product
- Support to roll out Lab Automation product to various locations.
- Support to technically/ functionally manage Lab Automation product
- Onsite/Offshore support at various time zones
- SLA driven issue resolution mechanism



## Custom Solution Implementation

- Implements the solution/ package identified by the customer
- Business process re-engineering study
- Configuration/customization as per BPR
- Testing the solution as per regulatory guideline
- Legacy Data Management
- Integrated Report Writing
- Analytical instrument connectivity
- Enterprise Software Interfacing
- Database Maintenance
- Validation-Lab Automation

# WHY HCL LAB AUTOMATION?

- Innovation and thought leadership
- Process simplification
- Scalability and cost savings

## Key differentiators

- Dedicated Research Group
- Checklist based assessment
- Application Practice
- Increased Availability and Flexibility
- Improved Performance & Risk Management

## LabIMS PRODUCT POWERED BY HCL

The LabIMS (Laboratory- Information Management System) is complete suite for the Laboratory Information Management System which is modeled with the three built-in enterprise models. The application can be used for multiple verticals like pharmaceutical, petrochemicals, food & beverages, mining, manufacturing etc.

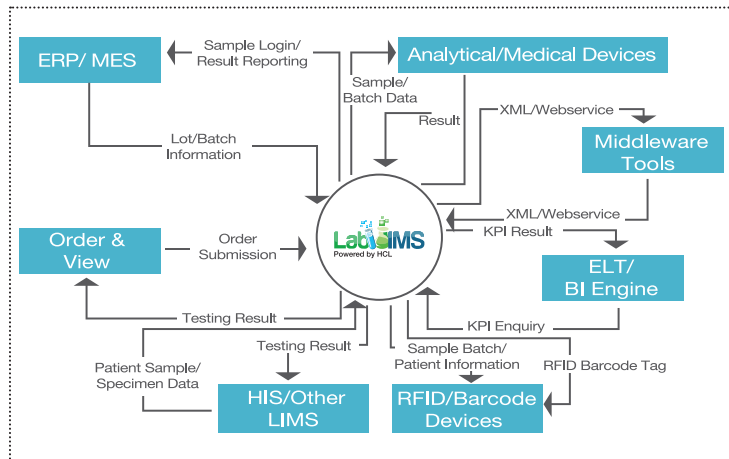
### The three built-in enterprise LabIMS models are:

1. LIS (Lab Information System),
2. Enterprise Integrator and
3. Enterprise Analytics.

These above three models are quite flexible and can be plugged-in or plugged-out of the core LabIMS system based on the business requirements. The LabIMS suite has been designed in such a way that it can address requirement of all enterprises irrespective of their size i.e. small, medium or large enterprises.

### The LabIMS differentiators are:

- One Shop Solution with single sign-on and database independent
- ERP/SAP Connector which can be connected with any ERP and MES.
- HL7 interfaces with reference labs and EMRs
- Built-in ETL engine & LIMS Analytics
- Scalable, flexible and richer presentation through dashboards
- Built-in Public health reporting & rule engine
- Connector for the medical devices and instrument interface through the HL7 manager
- RFID/Barcode device connectivity
- Lower cost of implementation and maintenance



# NOTES

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