



## DEVELOPING DYNAMIC SOLUTIONS FOR A LEADING LABEL PRINTER VENDOR



### BUSINESS NEED

The customer envisaged to incorporate drawing tools and supported printers as plug-in components in their existing Label Designing and Label Print Manager application suite to ensure speedy service delivery

Some of the challenges included:

- ⦿ To allow Label Designer application to add new drawing tools such as Line, Rectangle, Ellipse, Picture, Bar-code, etc that enable high resolution and larger label file designing and printing
- ⦿ To permit Label Print Manager application to add support for any new printer in the future



### TECHNOLOGY USED

- ⦿ **Development Tools:** Visual Studio 2013 IDE, C#, WPF, WCF, ADO .Net
- ⦿ **Framework:** Microsoft .Net Framework 4.5
- ⦿ **Platform:** Microsoft Windows
- ⦿ **Libraries:** Barcode library, Infragistics library, Third Party SDKs



### BUSINESS BENEFITS

- ⦿ Provide flawless designing and printing of labels
- ⦿ Allow customer for complete unitization of the label printer by using bulk printing feature in Label Print Manager
- ⦿ Permit client to provide custom drawing tools to their customers as patches instead of providing the complete update or re-installation of the package
- ⦿ Allow client to provide new printer support or update to any existing printer to their customers
- ⦿ Quick turnaround time resulting in on-time launch of the new product



### SOLUTION DELIVERED

ALTEN Calsoft Labs' solution included the following activities viz,

- ⦿ Shared the complete technical architecture of all the applications and components including the pluggable ones with the customer
- ⦿ Provided the complete GUI wire frames for all the applications
- ⦿ Implemented the Label Designer and Label print applications that offer the underneath facilities:
  - Rich UI with Ribbon toolbars, docking windows and theme support
  - Support for any new drawing tool without changing the application binary by just dropping the drawing tool component to the application binary path
  - Permission to link fields to data records from MS Excel, Dbase, HTML, Tab-delimited, Comma delimited, ODBC and various database such as MS SQL Server and MS Access
  - Rights to export a label as a graphic file
  - Permit to extract the label source files like fonts, graphics, etc.
  - Rights to create batch print file using any label file with desired print count for each label
  - Permission to Auto generate the alphanumeric text for fields meant for batch or series number placed in the label
  - Permit to pause, cancel and re-issue the print jobs

#### ABOUT ALTEN CALSOFT LABS

ALTEN Calsoft Labs is a next gen digital transformation, enterprise IT and product engineering services provider. The company enables clients innovate, integrate, and transform their business by leveraging disruptive technologies like mobility, big data, analytics, cloud, IoT and software-defined networking (SDN/NFV). ALTEN Calsoft Labs provides concept to market offerings for industry verticals like education, healthcare, networking & telecom, hi-tech, ISV and retail. Headquartered in Bangalore, India, the company has offices in US, Europe and Singapore. ALTEN Calsoft Labs is a part of ALTEN group, a leader in technology consulting and engineering services.

[www.altencalsoftlabs.com](http://www.altencalsoftlabs.com)



[business@altencalsoftlabs.com](mailto:business@altencalsoftlabs.com)