



Delivered Efficiency

- Building up competitive advantage against other invoices system present in the market
- Client could justify greater ROI from his invoicing system, since the dashboard application could enable productivity and better insights from the same available systems
- With dashboard application, business professionals get single and dynamic view of information from disparate resources that help them make better decisions and reduce costs of obtaining, processing, and transmitting information
- Easy to use system required minimal training

Improving decision making and better insights with simple and intuitive visual presentation of the data

An invoicing system provider, catering to enterprise customers in logistics, financial, tourism and consumer goods sector approached Perennial in March 2010 to build an enterprise dashboard application that could enable better business decision making through rich interactive data visualization capabilities.

The client is a product based company providing highly secure and available invoicing systems that could integrate with the customer's ERP systems such as SAP, ORACLE, GL etc. deployed in the customer's environment.

With the realization of importance of information, the client's customers had gone all haywire collecting information from everywhere that they could afford to get- sales data, ERPs, CRM, personnel etc.

But the organizations soon realized that value of information is not in collecting it but in using it diligently. Challenge was not to collect information but to manage the information glut, Such situation demanded for an enterprise dashboard that could collect information from different resources and present it to the business user in a convenient and timely manner, helping him or her to make better decisions taking intelligence from that data.

Responding to the market demand, the client approached Perennial Systems for our proven user centered approach to build an enterprise dashboard application that

- Is rich and intuitive in design
- Has capabilities to deliver user-agnostic content
- Generates and delivers multiple reports facilitating multi-tasking

Challenges

Disseminate information

With such large, disparate and distributed systems that were being used by the client's customers, it was challenging to build a system that could understand the data coming from different resources, store it into standard format and retrieve it on demand.

Ease of Use

Attention deficiency may often lead to lesser productivity, since the due diligence required to comprehend information from different places and use it in decision making is far greater. An engaging, user friendly interface could help executives to leap over the bar set due to information overload, by making the process less cumbersome.

Develop innovative ways to analyze information

The data was already available, often in the tabular form, lying unrelated and dispersed. The dashboard application was meant to augment data interpretation by collecting data from different resources, and presenting it in an easy to understand format. We had to think from the user's perspective and build features into the application so that end users are able to leverage upon those features to use data to their advantage.

“The rich and interactive dashboard solution developed by Perennial has become vital component for our product. Its intuitive design and innovative representation of data has become USP for our product.”

-Technical Director, WFactura, SA de CV

Client Side Technologies

- Adobe Flex/AS3
- Flash

Server Side Technologies

- Java
- Blaze DS
- Hibernate
- MySQL

Solution

Perennial worked closely with Wfactura for a period of 8 weeks to design and launch the application. A key design feature required was to keep application engaging yet simple to understand, so that skeptic managers could find the new system at ease and may leverage upon its strengths.

An effective Information Architecture (IA), was built keeping the user at the center of the design. Using 'top-down' and 'bottom-up' approaches, we understood the business strategies and user needs, and the relationship with the content, to develop the high level structure of the product.

Once the design was finalized, the development team developed the application using the agile methodology to keep scope for future iterations as well as scalability.

Today, the application is well embedded with the client's product. It is capable of collating information from multiple data sources such as ERP as well as personal. Users can generate dynamic reports based on their defined parameters. Moreover, every additional report can be merged with subsequent reports, or put beside other generated report for comparison or back reference.

Features of our Solution

- Engaging and intuitive design
- Smoother navigation with ability to build customized charts at the push of a button
- Allows user to manipulate and update data in real time rather than read static data as presented
- User customization option that gives suggestions to user based on learning from prior usage of the system
- Gives ability to better identify bottlenecks in the system
- Multi lingual support to cater to client's international customers
- Defined access levels, to control information flow
- Window based access of multiple reports facilitating multi-tasking
- Auto layout manager for intelligent layout of the system

ABOUT PERENNIAL SYSTEMS

Perennial Systems is a business and technology services company delivering IT solutions, consulting, systems integration and outsourced development services. We create value by successfully integrating people, business and technology to create effective, sustainable and scalable business ecosystems.

For more information on how we can deliver efficiency to your business visit us on www.perennialsys.com or email: contact@perennialsys.com