

## **About the Client**

The client is a worldwide leader in programmable logic solutions with over 51 percent market segment share in calendar year 2007.

Their programmable solutions fuel product innovation in diverse markets worldwide and are designed in a wide range of applications. Their customers can change or upgrade product features and functions "on the fly" - adapting to new standards and reconfiguring the hardware for a specific application, which enables faster time-to-market, product differentiation and reduced cost.

## **Client challenges**

The Client has three major manufacturing laboratories (San Jose, Ireland, Singapore) and has different application for each department. Their IT department developed several systems that need to integrate and communicate with each other.

Some of the business challenges which the client faced are:

- Real time business data need to be updated to legacy systems in each department
- Integration between the various legacy systems
- Automated process for procurement of business data
- Data transformation and translation logic according to the prescribed rules
- Persistent storage mechanism for the data.
- Validation of business data to a certain extent.

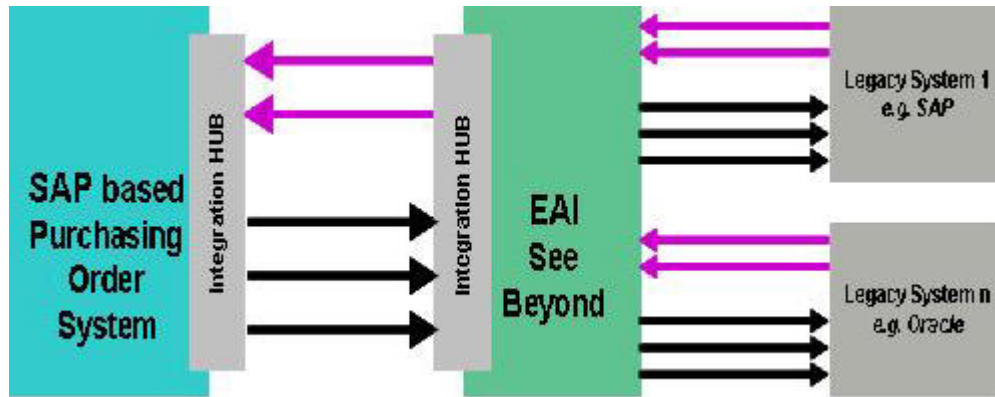
## **Xoriant Approach & Solution**

Xoriant with its expertise in TIBCO studied business requirement and came up with business logic developed in automated process. Xoriant provided solutions that are responsible for all the communication between SAP PO system and legacy systems. Various interfaces were developed as part of these solutions to enable bi-directional flow of data. All the information pertaining to the various legacy systems and the SAP-based PO system (source and target) were captured as part of the functional specifications. These specifications covered the following topics:

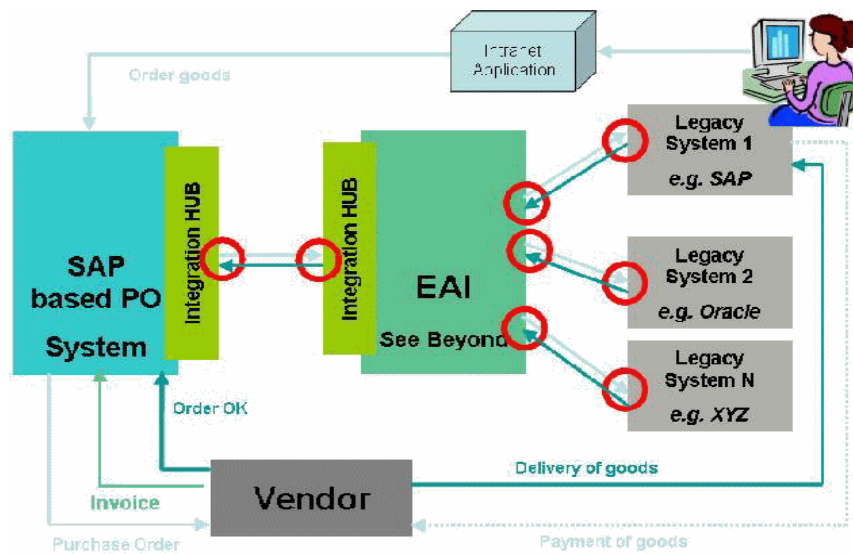
- The platforms, databases, and operating systems for the source and target
- The various applications constituting these systems and the way they interacted with each other.
- The input and output data formats for the source and target (EBCDIC, ASCII, Binary, and so forth)
- Frequency of data transfer and outage periods
- System connectivity details such as FTP drop zones
- The file structures that were being processed, if applicable

Xoriant expertise in TIBCO provided the client with successful implementation of consistent, scalable, reliable, incremental, cost-effective EAI solution.

Xoriant offshore teams build standard EAI architecture and Web services-based distributed integration platform. It provided core integration, comprehensive systems connectivity, guaranteed messaging, and robust transformation capabilities.



The SAP-based PO system acts as a data hub for all the legacy systems such that all the procurement orders at the client would be routed through this SAP based PO system. Also, Seebeyond is acting as the integration hub between the SAP-based PO system on one end and the legacy systems at the client on the other, thereby enabling a bi-directional flow of data. The following figure shows the process flow:



## Benefits

- The EAI Solutions implemented at the client addressed all the integration requirements of the company
- It provided for an automated procurement process in place of a manual one and seamlessly integrated all the legacy applications at the company with minimum fuss
- The changes required in the existing scenario were kept to a minimum
- Moreover, because the Common Data Format (CDF) provides a lot of flexibility to the model, any new application can be easily incorporated with a plug-and-play kind of adaptability