ZERO BASED COSTING SOLUTION ENHANCEMENTS

The client is the industry leader in filtration solutions, coolants & chemical technologies for diesel engines. The client had a Zero Based Cost calculation software.

Overview

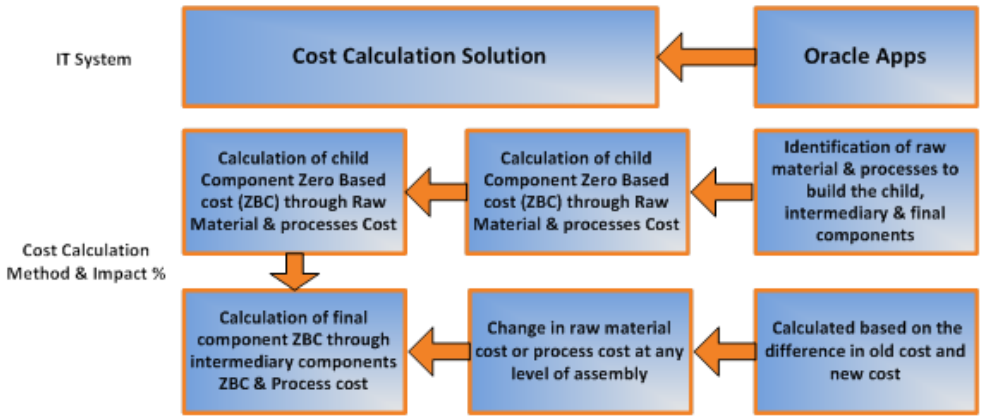
The client is the industry leader in filtration solutions, coolants & chemical technologies for diesel engines. The client had a Zero Based Cost calculation software. Application was required to be enhanced so that it is flexible and could generate custom of cost reports; required by the sales personals and other staff for cost calculation of parts & products and client negotiation processes.

Challenges

The existing database structure was quite rigid and entities did not have multiple relationships between each other, which was required for developing extensive and flexible reporting in the system. Reports presented in the earlier system were simple and didn't have export function available. An open-source utility, ExcelPackage, was used to generate Excel format reports with data linking.

Solution

A complete understanding of company's business and related activities was gathered by e-Zest technical team and the whole application code was revisited in order to design the new database. The new updated and enhanced database was designed keeping in mind the integration of data from Oracle Apps as well as data lying in the legacy Excel files used by the company earlier. Our database admin updated the whole database structure that addressed all the issues pertaining to flexibility in reporting system, export function, multiple relationship between entities etc.



Query optimizations helped in improving the performance of the earlier application to a great extend.

Technology

Microsoft.NET, SQL Server 2008 R2

Conclusion

The e-Zest team redesigned the earlier database in such a manner that it could accommodate the required enhancements as well as improve the performance of application by 40%. Complete understanding of the current application was done by e-Zest team for improving the application to a high extent.