



## Technology Infrastructure

- **Architecture** : N Tier Arch., with a Zero Foot Print Client Workstation
  - **Operating System** : Microsoft Windows 2000 or higher
  - **Web Server Platform** : IIS
  - **Browser** : IE 5 +
  - **Development Platform** : Microsoft .Net
  - **Development Language** : Visual Basic.Net and Java scripts
  - **Communication** : Use of XML and Web Services.
  - **3<sup>rd</sup> Party software required** : None
  - **Database and Support Applications:**
    - a) Microsoft Office 2000 +
    - b) Oracle 8 +, Microsoft SQL Server, Microsoft Access
  - **Scalability** : Vertical and Horizontal
  - **Security Schema:** - Three dimensional security schema based on:
    - **Data** – at the elemental level, by ownership and DBMS security
    - **Users** - by Org/User Groups/Roles down to the individual User
    - **Functionality** -by Functionality Grouping down to a specific Function
-

## APPLICATION FEATURES

<u>CATEGORY</u>	<u>Enterprise - Client Server</u>	<u>Stand Alone (Desk Top - Web)</u>	<u>Enterprise Web</u>
<b><u>User Interface – What You See</u></b>			
<b><u>Book Structure Paradigm</u></b> <ul style="list-style-type: none"> <li>A Book / EIS / Key Performance Indicator style paradigm including Chapters, Tabs etc.</li> </ul>	Y	Y	Y
<b><u>User Specific Screens</u></b> <ul style="list-style-type: none"> <li>User specific screen profile/template in terms of both data and functionality</li> </ul>	Y	Y	Y
<b><u>Unlimited number of Information Views /Data/Reports</u></b> <ul style="list-style-type: none"> <li>Unlimited number of predefined packaged (canned) reports</li> <li>Unlimited number of "ad hoc" reports, built by the user from a model/template .This includes the following classes of reports:               <ul style="list-style-type: none"> <li>Comparative analysis between selected organizations</li> <li>Peer Analysis Reports</li> <li>Time Series Analysis reports</li> </ul> </li> <li>Unlimited number of measures, viewable and accessible via a business driven Catalogue/Classification mechanism.</li> </ul>	Y	Y	Y
<b><u>Risk Mng. Framework</u></b> <ul style="list-style-type: none"> <li>Automated exception and Alert reports, based on both pre-defined and dynamically set thresholds/targets</li> </ul>	Y	Y	Y
<b><u>Integrated Meta Data Dictionary</u></b> <ul style="list-style-type: none"> <li>Displays for each object on a screen (e.g. data element in a report, indicator, report, query, chapter, tab etc.) extensive information such as description, source, integrity issues etc.</li> </ul>	Y	Y	Y
<b><u>Business friendly Wizards</u></b> <ul style="list-style-type: none"> <li>Guided framework for carrying functions e.g. Reports Production, Querying, Performance Indicators selection etc.</li> </ul>	Y	Y	Y
<b><u>Navigation Panel</u></b> <ul style="list-style-type: none"> <li>Business friendly panel to assist and guide the users in moving between screens and functions</li> </ul>	Y	Y	Y
<b><u>Summary Screen Facility</u></b> <ul style="list-style-type: none"> <li>Provide the users with a dynamic summary of the specific parameters selected up to any point in the process e.g. list of Organizations for which the analysis is done, Query criteria used to select the Organizations etc.</li> </ul>	Y	Y	Y
<b><u>Screen Sensitive Instructions/Help Panel</u></b> <ul style="list-style-type: none"> <li>Provides context sensitive instructions to the users as to how to proceed with the process</li> </ul>	Y	Y	Y
<b><u>Bulletin Board</u></b> <ul style="list-style-type: none"> <li>To display general, users and system specific information.</li> </ul>	Y	NA	Y
<b><u>Links to Corporate Internet Sites</u></b>	Y	Y	Y

# APPLICATION FEATURES

<u>CATEGORY</u>	<u>Enterprise - Client Server</u>	<u>Stand Alone (Desk Top - Web)</u>	<u>Enterprise Web</u>
<b><u>Functionality – What You Can Do</u></b>			
•			
<b><u>Conduct Multi-dimensional Analysis - OLAP Functionality</u></b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<ul style="list-style-type: none"> <li>• Full OLAP functionality including slicing, dicing etc at all levels of any hierarchical dimension e.g. Organization, Location etc.</li> </ul>			
<b><u>Select Target Population for Analysis - Query Facility</u></b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<ul style="list-style-type: none"> <li>• Business driven Query Facility enabling parameter driven selection of the target population.</li> <li>• Sub-querying capabilities.</li> <li>• Peer Analysis querying.</li> </ul>			
<b><u>Analyze and Report - Generic Templates and Wizards</u></b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<ul style="list-style-type: none"> <li>○ Predefined Reports/Profiles.</li> <li>○ Comparative Analysis/Best Practices templates.</li> <li>○ Peer Analysis.</li> <li>○ Time Series Analysis.</li> </ul>			
<b><u>Apply the Risk Mng. Framework templates</u></b>	<b>Y</b>	<b>NA</b>	<b>Y</b>
<ul style="list-style-type: none"> <li>• By triggering processes based on preset conditions e.g. when a specific figure goes above X %, automatically trigger an Alert Report with the required details and distribute to the appropriate personnel.</li> </ul>			
<b><u>Represent Your Reports and Graphs in Various Formats:</u></b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<ul style="list-style-type: none"> <li>• <b>Advanced Graphics</b>, including Visualization capabilities.</li> <li>• <b>Download</b> to other formats and environments e.g. MS-Office products (Word, Excel, Access DBMS) as well as to flat files, HTML, XML and PDF.</li> </ul>			
<b><u>Save/Load Your Own Reports and Queries</u></b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<ul style="list-style-type: none"> <li>• Save created reports in a personal folder and control its distribution to other users.</li> <li>• Load/access saved reports (personal and others to which you are authorized to access).</li> </ul>			
<b><u>Evaluate Your Performance - Score card &amp; Benchmarking</u></b>	<b>Y</b>	<b>Y</b>	<b>Y</b>
<ul style="list-style-type: none"> <li>• Generic facility that accommodates both existing methodologies such as the Balance Score Card, as well as customized/business specific methodologies.</li> <li>• Automatic application of weights.</li> <li>• Integrated 'What If' capability.</li> <li>• Review and compare performance vs. targets over time.</li> <li>• Drill down to facilitate focus on performance issues.</li> <li>• A pre-defined set of reporting templates.</li> </ul>			

## APPLICATION FEATURES

<u>CATEGORY</u>	<u>Enterprise - Client Server</u>	<u>Stand Alone (Desk Top - Web)</u>	<u>Enterprise Web</u>
<b><u>Functionality – Administration</u></b>			
<b><u>Apply Security Rules/layer</u></b> <ul style="list-style-type: none"> <li>Built-in API for Access Authentication using LDAP, Windows security etc.</li> <li>Sophisticated Access Authorization mechanism applied by the Administrator at the user level for any data object (measures, reports etc.) and functionality such as Query, Correlation analysis etc.</li> <li>Provision of detailed Audit Reports</li> </ul>	Y	NA	Y
<b><u>Apply Data Integrity Rules</u></b> <ul style="list-style-type: none"> <li>Maintain and reflect data integrity issues associated with a measure by time and/or organization.</li> <li>Automatically reflect data integrity issue in the displayed and printed reports.</li> </ul>	Y	Y	Y
<b><u>Apply Personal and/or Corporate Filters</u></b> <ul style="list-style-type: none"> <li>Define/create Filters to automatically be applied for the user, thus assisting in quick and easy identification of target population for analysis.</li> </ul>	Y	Y	Y
<b><u>Schedule Automatic Execution of Tasks/ Processes</u></b> <ul style="list-style-type: none"> <li>Apply the Scheduling Facility to run processes at a pre-determined time or automatically generate e-mails and/or alerts/reports on exception conditions.</li> </ul>	Y	NA	Y
<b><u>Control the Score Card Framework</u></b> <ul style="list-style-type: none"> <li>Set and maintain targets, weights, qualitative associations, benchmarks etc.</li> </ul>	Y	Y	Y
<b><u>Control over the System Maintenance Facility</u></b> <ul style="list-style-type: none"> <li>Control the data load (manual and automated), data refresh, data creation, Indicators calculations etc.</li> <li>Maintain the Data Catalogue/Classification Schema</li> <li>Maintain the Meta Data Facility</li> </ul>	Y	Y	Y
<b><u>Control the Performance Indicators Engine</u></b> <ul style="list-style-type: none"> <li>Manage the Integrated and Dynamic Calculation Engine/ Formula using already collected data elements or other derived data</li> <li>Apply complex aggregation rules to create derived data</li> </ul>	Y	Y	Y
<b><u>Architecture / Configuration</u></b>			
<ul style="list-style-type: none"> <li>Full N Tier Arch.</li> <li>Zero footprint browser</li> <li>No 3rd party software licenses required</li> <li>Oracle / SQL Server / MS-Access Database support</li> <li>XML based Communication</li> <li>Use of Web Services.</li> </ul>	Y NA Y Y NA NA	Y Y Y Y Y Y	Y Y Y Y Y Y