- SAMSUNG Electronics Demand prediction system (In order to enhance reliability of decision makings, develop highly reliable business management forecast system of BI solution with Data Mining Tool and Dash board , including 'performance and reliability', 'cube write-back' and 'user convenience')
    - Duration : 01/2008 – 07/2008
    - Role : Lead Samsung Electronics Business Intelligence project to enhance Prediction Accuracy for the demands for SCM by more than 20% with Microsoft BI Platform as S/W Architect
    - Facts : Application development with Microsoft SQL BI(Business Intelligence) solution to facilitate action-oriented BI implementation to enable on-demand changes of business management plans and reflect these adjustments on real time basis
    - Systematically integrate competitors' information inside SAMSUNG Electronics SCM to support mass amount of data processing on Samsung Electronics' promoted BI(Business Intelligence) platform, which consists of hundreds of TeraBytes of data from ERP and GSBN(Global Samsung Business Network) systems
    - Develop prediction system for global market movements and worldwide demands for Samsung products using MS SQL Business Intelligence solution
    - Results :
        - Make it possible to search Big Data in real time, which used to be taken 7 seconds in memory UI, and saved a lot of DB tuning efforts
        - Enable time series prediction and multidimensional analysis to search and find meaningful business information through data mining tool
        - Make it possible to simulate experiment before full development, which result in cost saving , risk reduction and find the optimized model efficiently