

Data Warehousing & BI Services

Information Integration & Innovative Solutions



A data warehousing solutions from **iCUBE Systems** brings together data from disparate data sources to present a bird's eye view of the enterprise to the management. iCUBE Systems offers extensive experience developing **high-performance Data Warehouse & Business Intelligence solutions** for some of the world's largest organizations, sophisticated, low-latency solutions that transmit highly complex and massive volumes of data to large audiences of end-users. Our expertise with **state-of-the-art tools** ensures a durable, robust data warehousing solution with a **low cost of ownership**. Our Data Warehousing & Business Intelligence services include:

ETL (Extract, Transform & Load) Process - Data acquisition & Transformation

iCUBE Systems expertise in data acquisition (process) from disparate sources includes; **sourcing, parsing, data cleansing, transforming, data integrity check** and aggregating data. We use leading-edge tools and ensure **data quality management** from the beginning. We identify the best sources for data elements, reconstructing data when required and deploy the most appropriate tools to retrieve the data from its primary sources. Through the cleansing process, we enhance data quality by ensuring **data accuracy, data type, and data consistency**, as well as eliminating duplicate records.

Business Intelligence (BI), OLAP and Reporting

iCUBE specializes in **BI & OLAP solutions** that help our clients target and address BI issues in specific business areas. We assess our clients short-term & long-term goals and current BI environment, plan and implement a cost-effective OLAP/BI solution that meets all their business objectives. It helps business users to analyze data in their DW and view in multiple dimensions for effective decision making. Our OLAP/BI expertise include **Decision Support, Data Mining and Analytic Tools (Cognos, Business Objects & Oracle's OBIEE suite)**, Reporting tools (**Impromptu, Crystal Reports**).

Data Marts / ODS, Meta Data Management (MDM) & Repositories

iCUBE has expertise building a variety of data repositories; **Meta-Data, Operational Data Stores, Data Marts, Web Warehouses, and Data Hubs**. We start by implementing and properly documenting a physical data model (star and snow-flake schemas), ensuring data from all functional areas are sufficiently integrated to support cross-functional analyses. We perform database tuning, model **de-normalization techniques**, and aggregation as necessary to support information delivery requirements. We implement **scalable architecture** for multi-threaded data distribution across the enterprise where **performance** is a top priority.

Data Warehouse Administration / Optimization

As the data warehouse grows, administration (or management) of the repository / Database is a crucial step in system performance and **optimizing results**. We provide data warehousing administration services such as **tuning, performance analysis, user analysis, benchmarking, auditing and optimization** of application and industry-specific processes to help clients measure the ongoing success of their Data warehouse projects.

Our DW-BI KCI

Meta Data (MDM)
Data Quality (DQM)
Data Integrity
Data Cleansing
Data Mapping
Transformation
Data Consistency
Dimensional Model
ETL Tools
Data Mining
Data Marts
Data Warehouse
OLAP
BI Tools
Reporting

ETL & BI Tools

Ab Initio
Informatica
OBIEE Suite
Cognos
Business Objects
Crystal Reports
Impromptu
Brio

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