



VOLARO DATA WAREHOUSING



In today's rapidly changing marketplace, executives are faced with overwhelming business challenges:

- The pace of business is accelerating
- The rate of organizational transformation is escalating
- Barriers to entry are disappearing
- Protection from regulation is diminishing
- The proliferation of electronic commerce has redefined competition
- Constant need to refine value proposition to insure customer loyalty and retention

Effective exploitation of information for business analysis is the key to continued organization survival.

While rapid change might appear ominous, there are tremendous opportunities for those who can rise to these new challenges to prosper and flourish. Those that do not may perish.

To thrive and achieve a competitive position in this information age, businesses will need to understand themselves from multi-dimensional perspectives and to empower staff with information for rapid decision making. The means to accomplish this is through the **effective delivery and analysis of information; information derived from disparate operational, decision support and external data**. However, the required data is usually stored in stand-alone systems that are not easily accessible or in a format that takes too long to extract and analyse; the desired information is derived from multiple systems that are not consistent and do not reconcile. As a result, timeliness and accuracy, the essence of effective decision-making, is compromised.

In order to be more competitive, more innovative and more effective, businesses will require facilities that can deliver the right information to the right people at the right time. The approach to accomplish this is via a **Data Warehouse**.

**A Data Warehouse gives you access:
to the RIGHT info
at the RIGHT time
at the RIGHT place
in the RIGHT form**

Our Services

VOLARO's services in this area include:

- **Data Warehouse Visioning**

We will help you understand your strategic position, identify business opportunities, prioritise your most critical business issues, understand the critical success factors and determine how a Data Warehouse can help you in your business. We will then evaluate your current IT infrastructure, identify the hardware and software required, define the project scope and develop a high-level project plan for your Data Warehouse implementation.

The deliverable from this engagement shall serve as a roadmap for your enterprise Data Warehouse implementation.

- **Data Warehouse Tools Selection**

To ensure protection of your investment, the right tools must be selected for your Data Warehouse. These tools should be scalable, open and flexible to meet both your short-term and long-term objectives for the Data Warehouse. We have experienced consultants who are familiar with common Data Warehouse issues and knowledgeable about the latest product features who can help you to ensure that all aspects in the tools selection process are considered.

- **Enterprise Data Warehouse Architecture Design**

Your Data Warehouse should be designed and architected for growth and ease of expansion, in concert with your business growth and market share expansion. Data Marts that are results of ad-hoc project initiatives may produce systems that are rigid and not easily expandable, resulting in islands of information that do not integrate. On the other hand, having a well-designed Data Warehouse that is flexible, scalable, user-friendly and open will ensure its maximum usage and most importantly, protection of your investment.

- **Data Warehouse Implementation**

We have implemented Data Warehouses successfully many times over for clients in different industries around the world. We have experienced consultants who can offer their expertise in functional and industry domain knowledge, Data Warehouse industry best practice standards, state-of-the-art technology and successful Data Warehouse project experience, combinations which few firms can offer. We can help you undertake the entire project to implement a world-class Data Warehouse and at the same time, shield you from the pains of self-experimentation.

- **Metadata Management**

Metadata acts as a window through which business users can peer into the Data Warehouse. It helps the business user to understand data in the context of time and it helps establish consistency and uniformity in the usage of metadata objects within the Data Warehouse. We can help you develop metadata management procedures to help you uncover and understand the value of data in your organisation. We can help you transform data into valuable information.

- **Data Mining and Visualization**

Data Warehouses can range in sizes from several gigabytes to multiple terabytes. To derive value out of this immense amount of data where traditional methods of data analysis have not been able to keep up, Data Mining and Visualisation can be deployed. Data Mining uses sophisticated statistical modeling techniques to uncover patterns and relationships hidden in an organisation's data that ordinary analysis might miss. Data Visualisation uses graphical elements such as colour, shape and size to represent complex.

VOLARO's data warehouse services include:

- **Visioning**
- **Tools selections**
- **Enterprise architecture design**
- **Implementation**
- **Metadata management**
- **Data mining & visualization**
- **Management**
- **Education**



information in highly intuitive ways. Through Data Mining and Visualisation, we can help you look for patterns and trends in the ever changing business environment and synthesise data into meaningful information.

- **Data Warehouse Management**

Data Warehouses are finished but never completed. Changing business requirements dictates changes to the Data Warehouse. New businesses mean additional opportunities to leverage the Data Warehouse. We not only help you implement your Data Warehouse but also manage it after it is deployed. We will help you manage the day-to-day operations of the Data Warehouse to ensure its availability, performance, security and recoverability. We will ensure that users are trained and new requirements are addressed. We will ensure that your Data Warehouse stays responsive to your changing business information needs.

- **Data Warehouse Education**

We offer an extensive Data Warehouse Education curriculum for your organization, from the CEO, COO, CFO, CIO to the project manager, data administrator, data modeler and programmer who will be involved in the Data Warehouse project. Attending these education classes will equip you with an understanding of the subject areas to enable a head-start during the implementation of the Data Warehouse.

About VOLAROs Data Warehouse Business Solutions

The Data Warehouse Business Solutions Team is made up of experienced practitioners and consultants from multiple disciplines who help leading organizations design, develop, deploy and manage Data Warehouses. Our client service teams work with your people in architecting solutions. VOLARO contributes skilled full-time Data Warehouse practitioners who team with local industry, change, process and technology expertise in the delivery of Data Warehouse services. The Data Warehouse team is part of VOLARO's Business practice, which help clients to create measurable performance improvement and lasting change.

The company helps clients find new ways to create, manage and measure value in the rapidly changing global economy. With world-class skills in the industry of Financial Services, Banking and Insurance, Government & Public Sector, Healthcare, Education, Defense and Homeland Security, Media, Entertainment & Publishing, Consumer Industries & Retail, Telecommunications, Transportation and Utilities.

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