

## CASE STUDY - Data warehouse Solution for a leading Procurement Service Provider in Netherlands

### The Clients

The client is a leading procurement service provider in Netherlands. The client works with E-Procurement software that has extremely complex transactional database with more than 1000 tables normalized to the fifth form. The client works with many respected buying organizations who have a very complex buying behavior and want to monitor their purchasing behavior for a better spend management.

### The Challenge

Due to a complex data model and ever growing transactional, the client was facing problems in:

- Getting easy access to accurate information.
- Getting quick response time.
- Obtaining an organizational view of performance collating information across multiple transaction systems for the buying organization.
- Having an end-to-end integrated view across the procure to pay process to improve efficiency and effectiveness in spent.
- Maintaining the historical data for accurate projections and forecasting.

### The Solution

To improve this situation, it was decided to implement an Enterprise Data Warehouse (EDW) solution that collects information from the numerous transaction applications and provides a single window for information access.

Eperium, after an assessment of the technical situation and the pressing business need of quick delivery of solutions, decided on a federated ROLAP architecture. However, explicit care was taken to ensure that the key dimensions were conformed to across the data marts.. The EDW is made up of a granular operational data store and a data warehouse.

The solution resulted in:

- Enhanced spend control leading to reduced inventory and improved internal customer service.
- Improved purchase management by more proactive purchase behavior tracking as compared to the inefficient reactive way of working.
- Improved forecast accuracy.
- Multi-dimensional analysis of the purchase behavior.

### Tools

Developed using oracle warehouse builder, oracle 10 release 2, Business Objects.

## Eperium's Role

Eperium was responsible for conceptualization of the architecture and development of critical modules. The team's responsibilities included:

- Project management & resource management.
- Requirements - Reporting analysis and source system analysis.
- Data modeling and development.
- Support-performance tuning / enhancements.