|  |
| --- |
| EPAM Systems, RD Dep. |
| DWH |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 0.1 | Initial status | Olga Hilko | 08-Nov-2017 |  |  |
|  |  |  |  |  |  |

Image goes here.

Contents

[1. Business Description 3](#_Toc412572569)

[1.1. Business background 3](#_Toc412572570)

[1.2. Problems because of poor data management 3](#_Toc412572571)

[1.3. Benefits from implementing a Data Warehouse 3](#_Toc412572572)

[2. Dimensions of a Business 3](#_Toc412572573)

[3. Logical Scheme 3](#_Toc412572574)

[4. Data Flow 3](#_Toc412572575)

[5. Fact Table Partitioning Strategy 3](#_Toc412572576)

[6. Strategy of Parallel Load 3](#_Toc412572577)

[7. Report Layouts 3](#_Toc412572578)

# Business Description

## Business background

Mission of the project is implementing the information system, which helps in billing for the consumed petrol and supplementary goods.

Vocabulary

|  |  |  |
| --- | --- | --- |
| **Abbreviation** | **Temin** | **Description** |
| PS | Petrol Station | Sale’s point with petrol tanks and market (optional) |
|  |  |  |
|  |  |  |
| DWH | Data Warehouse | Enterprise OLAP data base |

## Problems because of poor data management

Each PS has its own OLTP database of the sales. It causes some problems.

* This reduces the velocity of date exchange for internal needs between BP, head office and accounting department.
* Moreover, it causes difficulties with gathering information for monthly, quarter and annual reports building.

## Benefits from implementing a Data Warehouse

New DWH structure is going to meet the following advantages:

* making the data exchange faster, more securable and flexible,
* implementing integration of the source data from application systems of separate PSs,
* increasing productivity of corporate decision-makers in advertisement and management,
* enhancing customer service,
* providing better enterprise intelligence .

# Dimensions of a Business

# Logical Scheme

# Data Flow

# Fact Table Partitioning Strategy

# Strategy of Parallel Load

# Report Layouts