Solution Development Plan

Solution: BroadCloth Clothing Production Output

Owner: Gwen Lohmann

Date: 09/23/2020

Change Log

|  |  |  |
| --- | --- | --- |
| Who | When | What |
| Gwen Lohmann | 9/23/2020 | Planning to convert OLTP to OLAP |
|  |  |  |

Executive Summary

The BroadCloth Clothing Company wants a BI Solution that will provide production output information to managers. Currently some customers get shipped the wrong items, in which the managers need to quickly find alternatives. The solution must assist in solving that problem.

Business Requirements

* Marketing Manager: How many items were ordered and what was the sale price of that order for a specific company, during different months of the year?
  + *Gives an insight into what the buying patterns of costumers are, and how sales are changing over time.*
* Operational Manager: How many items were produced and what was the production cost of those items, in factories with different ratings, compared to other years?
  + *Gives an insight into production ability of different factories are dependent on the facility quality, and how production pace changes over time.*
* Operational Manager: How many items were shipped compared to how many items were produced and ordered, based on shipping method, when looking at both the factory nation (/city) and the customer nation (/city)?
  + *This allows Broadcloth to see if all orders are being met, and if certain shipping methods should be prioritized over others. Broadcloth can see if factories (or companies) in certain locations are too expensive (not worth the amount being ordered and produced).*
* Financial Manager: Are the items being produced more or less than the items being ordered, and what is the margin of these items, relative to factories around the world, and orders from previous years?
  + *Sheds light on if certain factories are producing more than being ordered. Also provides insight as to which factories (and where) are able to produce more, allowing for those that are quicker to take on bigger orders.*

Information Package

Information Subject: Production Output

Dimensions

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Customer** | **Factory** | **Item** |
| Year | Purchase Order Number | Max Factory Workers | Model Description |
| Quarter | Company Name | Overall Factory Rating | Item Size |
| Month | Company City | Factory City | Item Color |
| Date | Company Nation | Factory Nation | Item Listing Price |
| Day of Week |  |  |  |
| Day of Month |  |  |  |
| Season |  |  |  |
| Holiday Flag |  |  |  |
| **Facts:** Quantity Produced, Production Costs, Order Quantity, Sale Price, Quantity Shipped, Shipment Cost, Shipment Method | | | |