

# Maximum Miniatures Business Intelligence



By Silverbacks BI Solutions  
April 26, 2019

Sothorn Alberta Institute of Technology  
SAIT

**Mike Morshedi**

**Steve Ennis**

**Matt Band**

**Ali Samavati**



MEET THE TEAM

## BI Project Overview

---

- ▶ **About Maximum Minaitures Inc.**
- ▶ **Business Requirements**
- ▶ **Manufacturing / Production Reports**
- ▶ **Sales Reports**
- ▶ **The Back-end Processes of the BI Project**
- ▶ **Final words**



# Maximum Miniatures

## BI Project



### About Maximum Miniatures

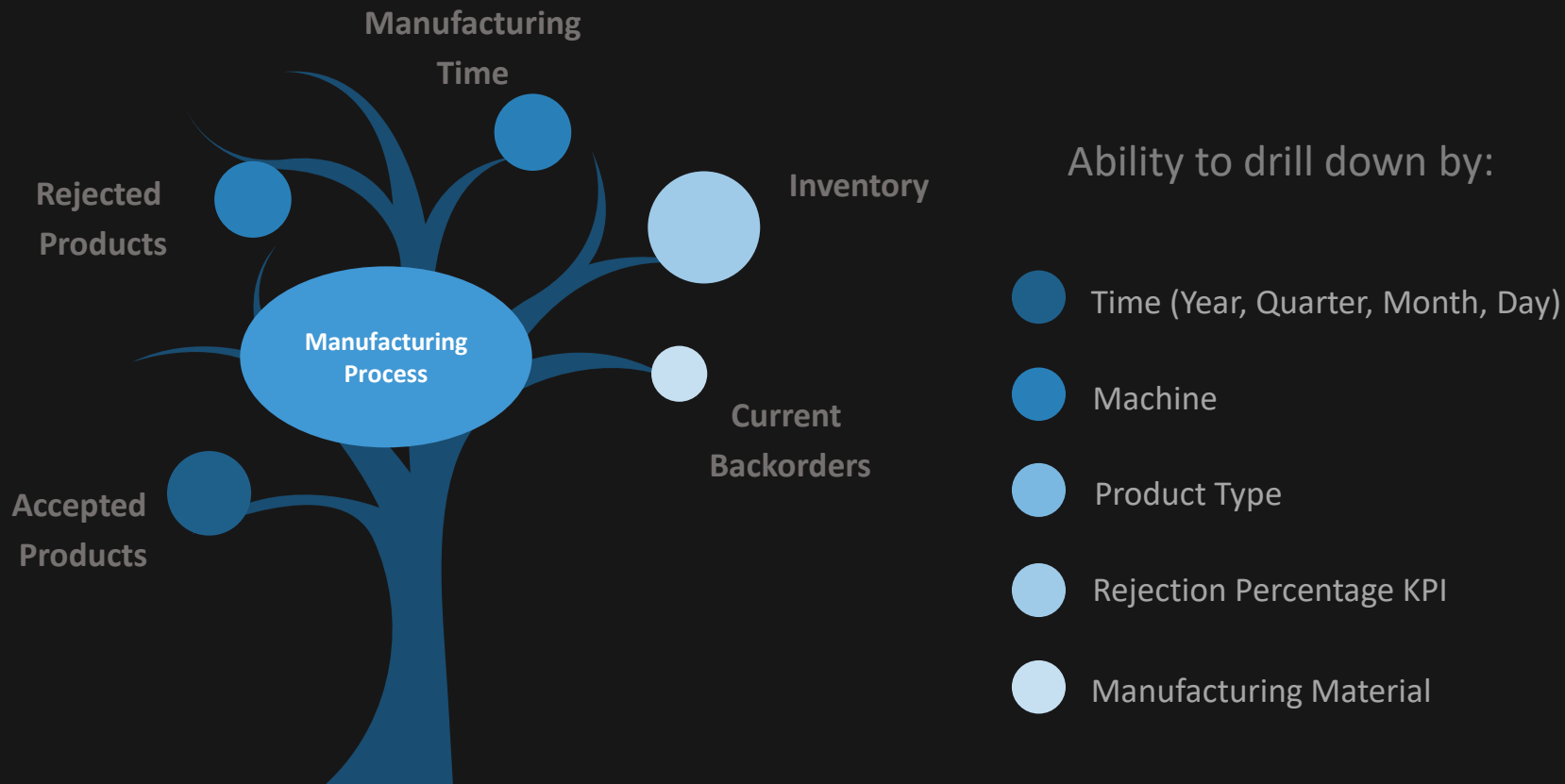
- 300% Growth in Last Three Years
- Growing Markets
- Increased Competition
- Aging Reporting Mechanisms

## Current Sources

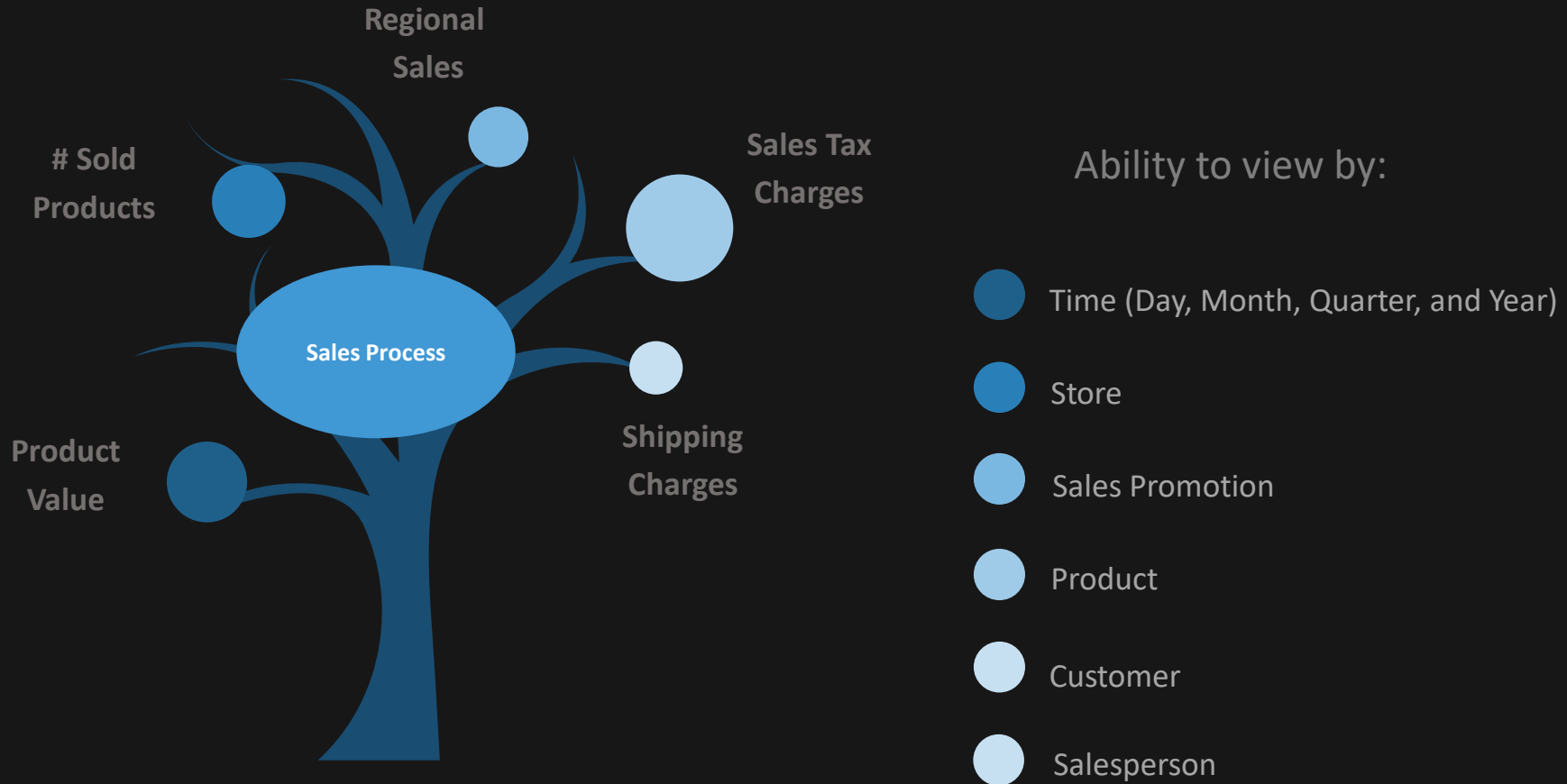


The challenge is to integrate these systems together to create a fully functional Business Intelligence system usable by those that need to make decisions  
Faster and Smarter.

# Manufacturing Requirements



# Sales Requirements



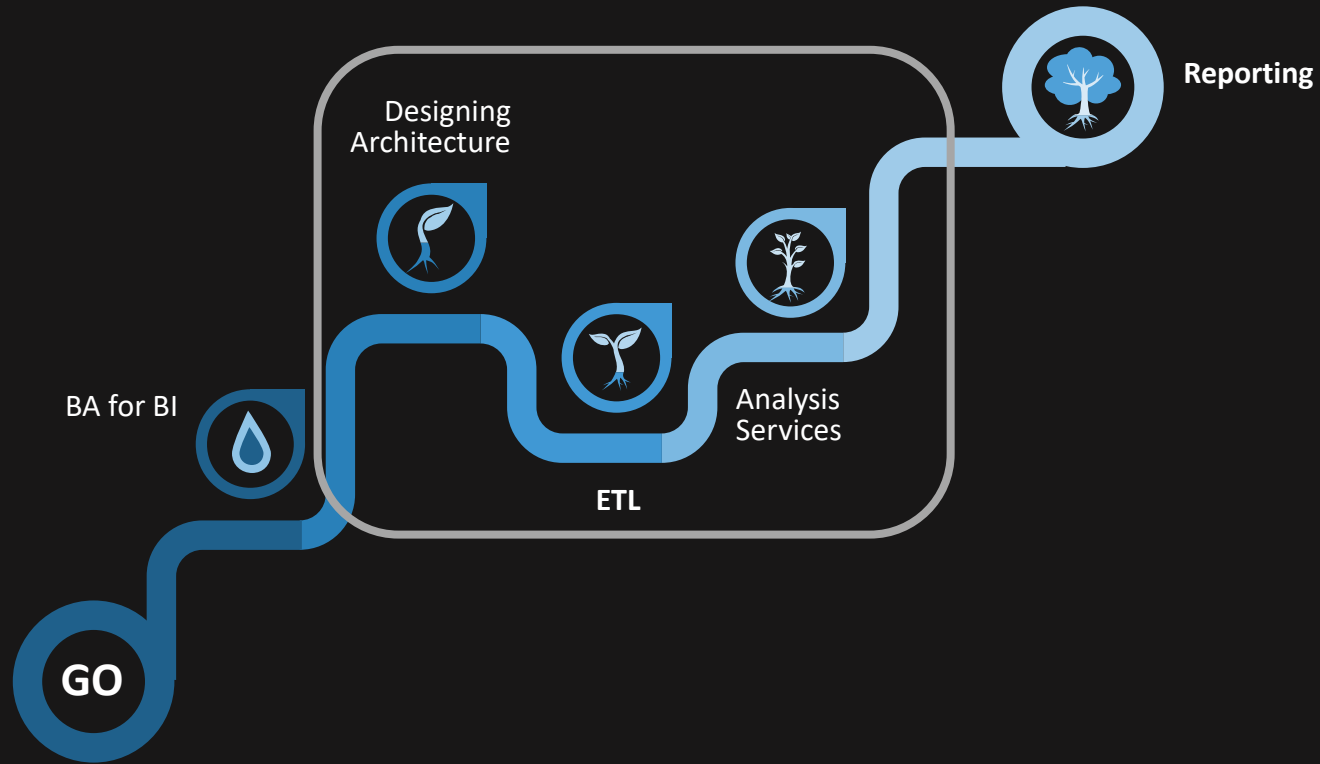
## The Reports





# Back-End Processes

This is the process we followed to provide suitable reports for this project



# AVAILABLE SOLUTIONS FOR DEVELOPING BACK-END ON MICROSOFT PLATFORM



# Available Options

11

Power BI  
End to End  
Implementation

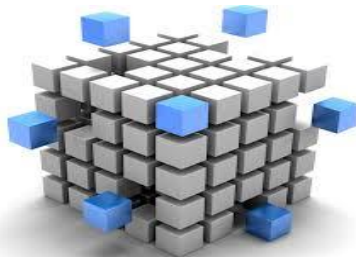


**Power BI**



On-Premises  
Data

Multidimensional



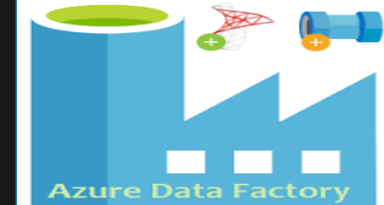
On-Premises  
Data

Tabular On-  
Premises



Cloud Data

Tabular On  
Azure

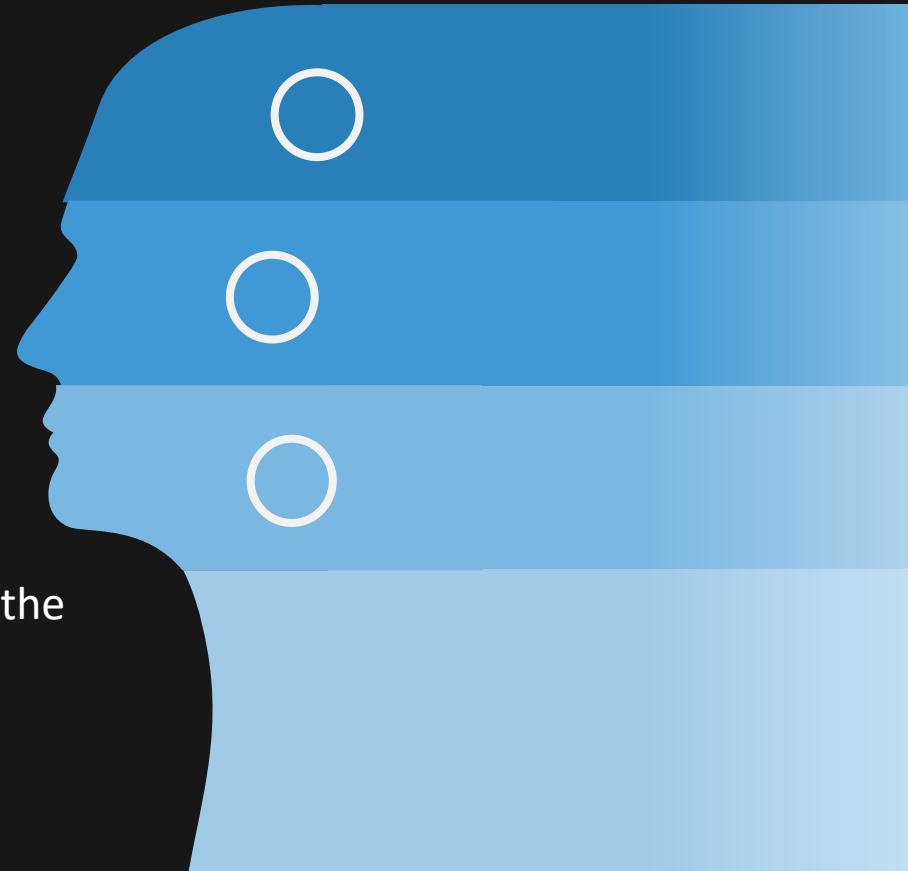


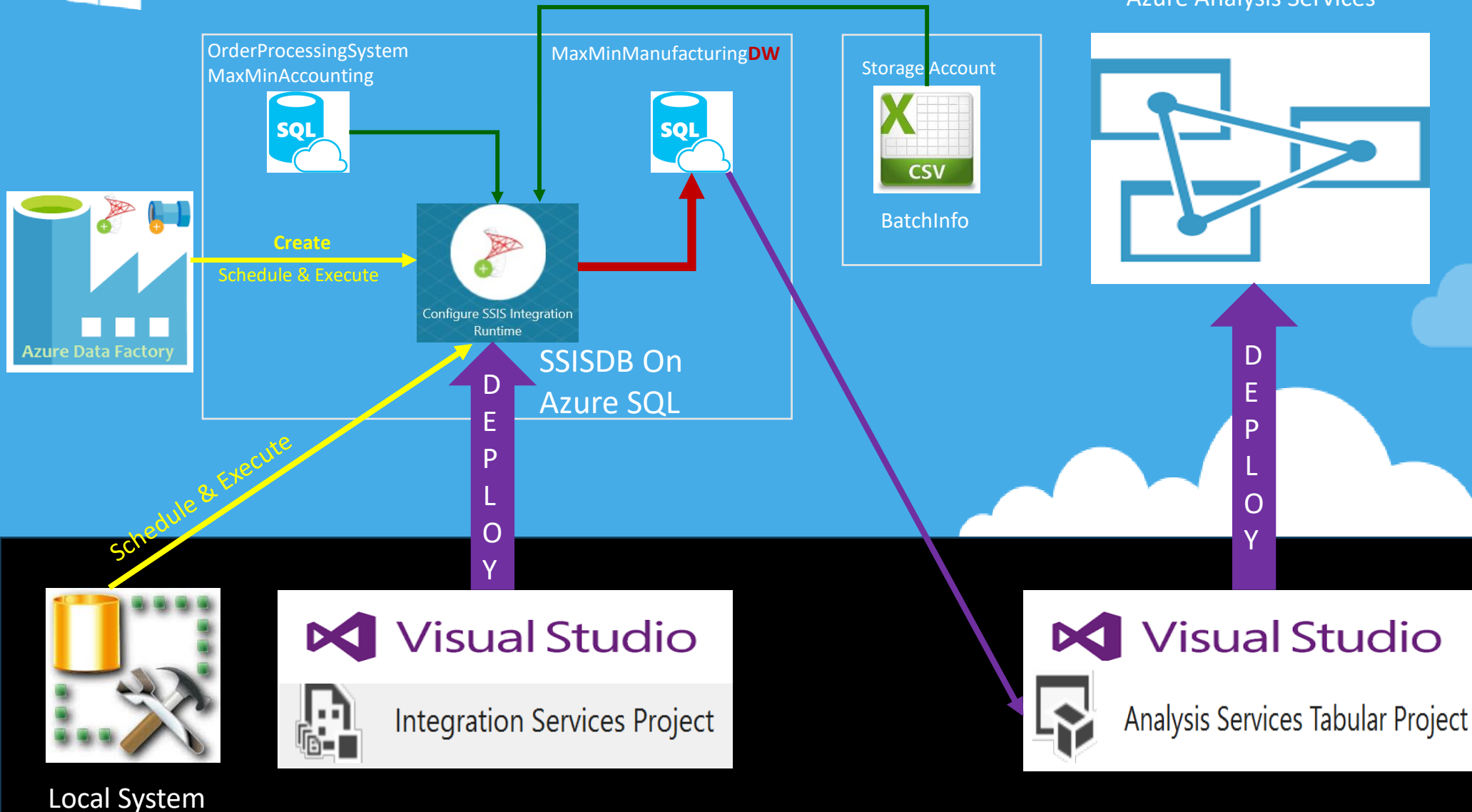
Azure Analysis Services



## What are the reasons behind our decision?

- Different countries: Japan, USA, India and Germany
- Lower cost compare to On premise
- More reliable, flexible, and in-demand configuration
- BI developers can work independently of the location





Local System



7.67 CAD to 24575.95 CAD



US\$ 0.29/hour to US\$ 92.6/hour



B1 Basic ★	B2 Basic	S0 Standard
40 Query Processing Units	80 Query Processing Units	40 Query Processing Units
Up to 10 GB Cache	Up to 20 GB Cache	Up to 10 GB Cache
Dedicated service	Dedicated service	Dedicated service
SSL	SSL	SSL
409.50 CAD/MONTH (ESTIMATED)	819.00 CAD/MONTH (ESTIMATED)	771.38 CAD/MONTH (ESTIMATED)
S1 Standard	S2 Standard	S4 Standard
100 Query Processing Units	200 Query Processing Units	400 Query Processing Units
Up to 25 GB Cache	Up to 50 GB Cache	Up to 100 GB Cache
Dedicated service	Dedicated service	Dedicated service
SSL	SSL	SSL
1,933.21 CAD/MONTH (ESTIMATED)	3,866.42 CAD/MONTH (ESTIMATED)	7,723.32 CAD/MONTH (ESTIMATED)

# Delivery Methods



## 1 PERSONAL COMPUTER

Bring up reports while at the office, create your own dashboards!

## 2 LAPTOP

When you're on the go you have the ability to connect to the cloud and review reports

## 3 TABLET

Download the PowerBI app and you can stay connected with the same great visuals you get at the office

## 4 MOBILE

On the run? Check in with mobile capability

## Recommendations

---

- ❑ Wholesale Cost should be added to Order Processing System to determine profit margin
- ❑ Shipping Costs should be added to Order Processing system to track costs
- ❑ Greater communication between Sales, Inventory and Manufacturing could lower storage costs and increase sales
- ❑ Implement data capture processes that will provide the information to enable intelligent business decisions
- ❑ You can always reduce your expenses on IT infrastructure by designing an optimized model and considering performance tuning



# Silverbacks BI Solutions

**THANKS**

FOR LISTENING

We are open to any  
questions



Silverback  
BI  
Solutions