Improving Revenue Forecasting and Creating a Capacity Forecasting Model

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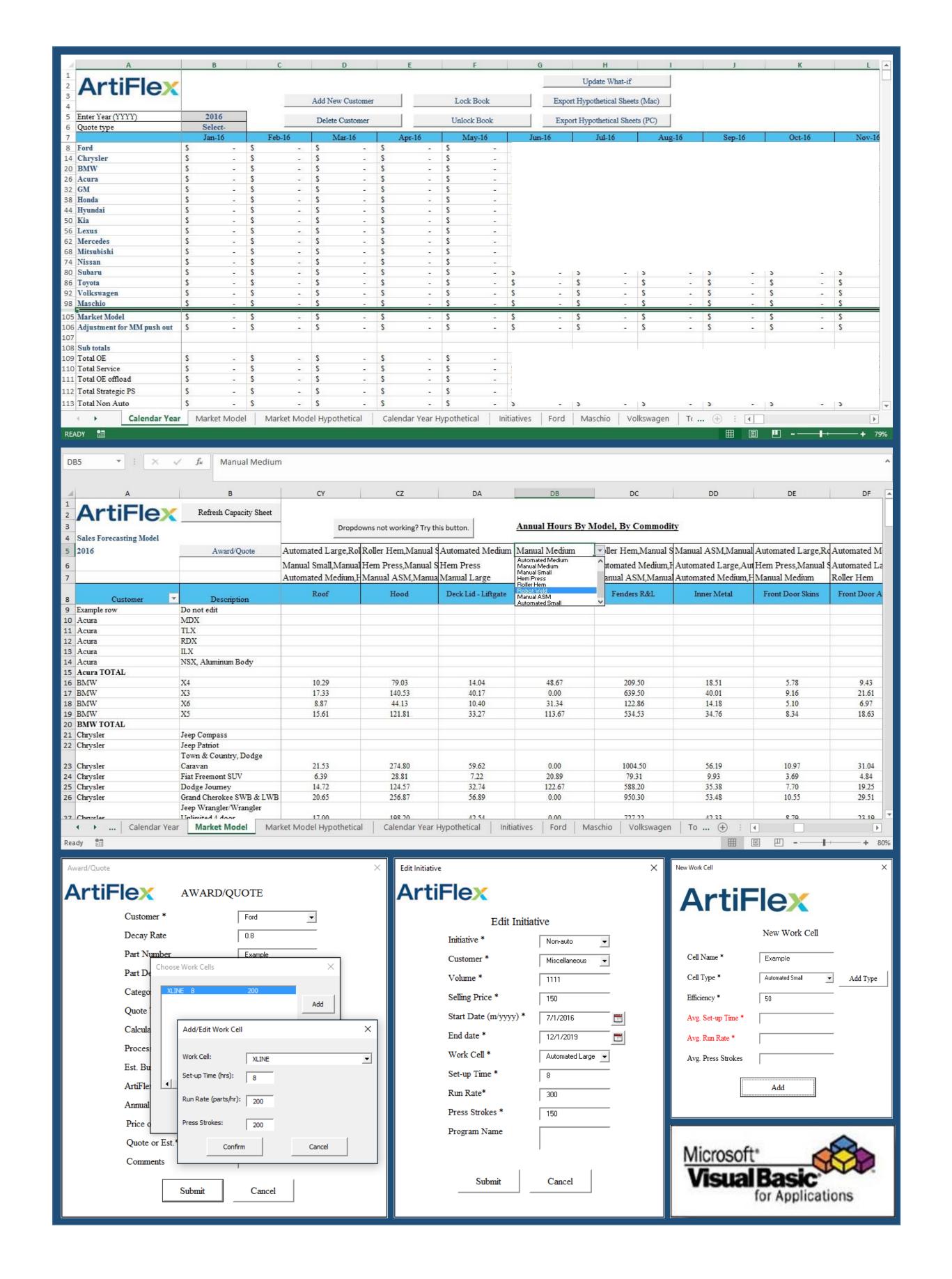
AMRE 2016

Project Overview

The purpose of this project was to refine the existing revenue forecasting model as well as create a capacity forecasting model for ArtiFlex Manufacturing.

Overall Accomplishments:

- Finalized revenue forecasting
- Implemented capacity forecasting
- Linked revenue and capacity forecasting



Revenue Forecasting

The revenue forecasting model was updated to increase usability and accuracy.

Capabilities:

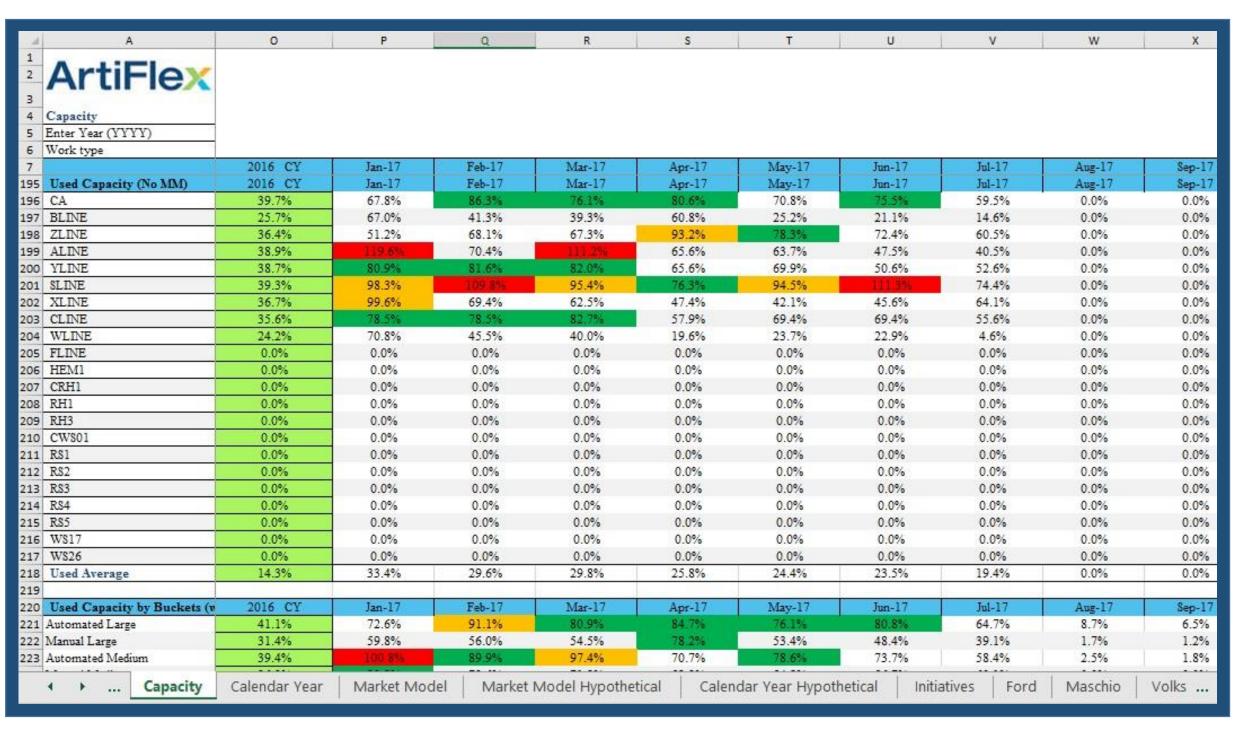
- Forecasts revenue based on historical data
- Summarizes data for easy access
- Uses buttons and forms to minimize user input
- Automatically updates as data changes

Capacity Forecasting

The capacity forecasting model was created to supplement the revenue forecasting model. It features an intuitive user interface and reflects changes in the revenue model automatically.

Capabilities:

- ❖ Forecasts work hours based on historical data
- Calculates available and used capacity
- Summarizes data by work cell or cell type
- Estimates hours needed for new contracts
- Warns user when over capacity



Capacity Warning System



Conclusions

The members of ArtiFlex were very enthusiastic about the final results of this project. The updated forecast model with improved user interface should be more intuitive to the user and minimize the learning curve. The newly implemented capacity forecasting will allow ArtiFlex to make better informed decisions about expansion.

Acknowledgements

We would like to thank our liaisons Lynnette Cowger and Steve Delmoro, and all of our clients at ArtiFlex.

