psc_ TRANSITION TECHNOLOGIES

_Improve your supply chain performance with Artificial Intelligence

_Why artificial intelligence?

Artificial Intelligence uses Machine Learning techniques, which allow an algorithm to learn and adjust. ML models are great at analyzing trends, spotting anomalies, and deriving predictive insights within massive data sets.

Machine Learning =  + + +

Analizes **Predicts** **Learns** **Improves**

_From demand forecasting to inventory and replenishment

Machine Learning applied to Demand Forecasting is a key step in your business to further reduce out-of-stocks, improve your Cash position via optimized inventories, boost efficiency of your production plans, and deliver better service. But that is just the beginning.

Examples, where Machine Learning will make The Difference:

Lots of promotions

Forecast demand uplift for promotional events.

New products introduction

Plan demand for new products with no history.

Long-tail demand

Understand specific demand patterns for both fast and slow-moving items for each SKU/Location to achieve minimal inventory levels.

Inventory optimalization

Match inventory quantity with demand to achieve optimal inventory levels or assign safety stock level to each item.

Allocation and replenishment

Optimize quantity per order to minimize the number of replenishments between warehouse and stores.

Promotion optimalization

Model the impact of complex promotions mix to calculate various scenarios: price driven, sales volume driven or assortment driven strategy.

_Our customers obtained:

- ^ **15-40%** Better forecasting
- v **15-40%** Inventory reduction
- v **20-60%** Reduction in resources
- ^ **5-25%** Promotion optimization

_About Transition Technologies PSC

We are experts in data science,who assist organizations in their quest to adopt AI. We support companies in:

- elimination of manual work and automation of decision making
- optimization of the supply chain, inventory and promotions
- providing accurate demand forecasts
- implementing a recommendation system
- preventing customer churn

By implementing artificial intelligence technology in your organization, you can start making business decisions based on data that has not been collected, monitored and analyzed so far.

_Our experience – over 30 documented data science projects, i.e.:

	Goal	Results
FMCG	Boosting forecasts of products in promotion for each SKU/Location. Multi channel promotions (mass-media, internet, newsletters, in-store) were applied to fixed assortment of products, as well as in-out products.	We have achieved 20-30% better accuracy with less manual work required to produce final results.
Automotive	Transition of retail planning processes to meet growing customer expectations. Providing parts to ware houses and shops with fast availability, while keeping expenses at minimum levels.	75% new forecasts equal or better. Experts released from manual supervision and shifted to strategic tasks.
Logistics	Reduce cost and time of collecting orders (picking) by forklifts operators in the warehouse. Warehouse inventory slotting optimization.	Order collection time improved by 30-40% via planning optimal routes on the go to avoid jamming and bottlenecks.

_Try before you buy - check out our 6 weeks proof of value

1 We **run introductory workshop** to shape the scenario: to model and verify challenges you want to address.

2 **Select ~1000 SKU** that cover variability portfolio of products with different demand and supply issues, to make sure the proof of concept is representative for your business.

3 4 weeks later, **we deliver workshop** to present results and discuss pitfalls and conclusions, so you can reduce your risk and gain confidence in our work.

_You don't know, where

Simply write to us and tell us your domain, industry and what you would like to change. **We will take it from here!**

_Contact us!

Transition Technologies PSC

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