

Lummetry LENS+

your retail AI solution



Context

- Big shifts in customer needs & behavior
- Online businesses can benefit from these changes quite easily
- Brick-and-mortar own large amounts of valuable transactional data that needs to be translated into business insights



The AI Solution for Retail

- Use AI to analyze the transactional data
- Get automated business insights from your data, like:



✓ Customer needs & purchasing patterns



✓ Assortment purchasing behavior



✓ Store-level selling behavior



✓ Predictive trends

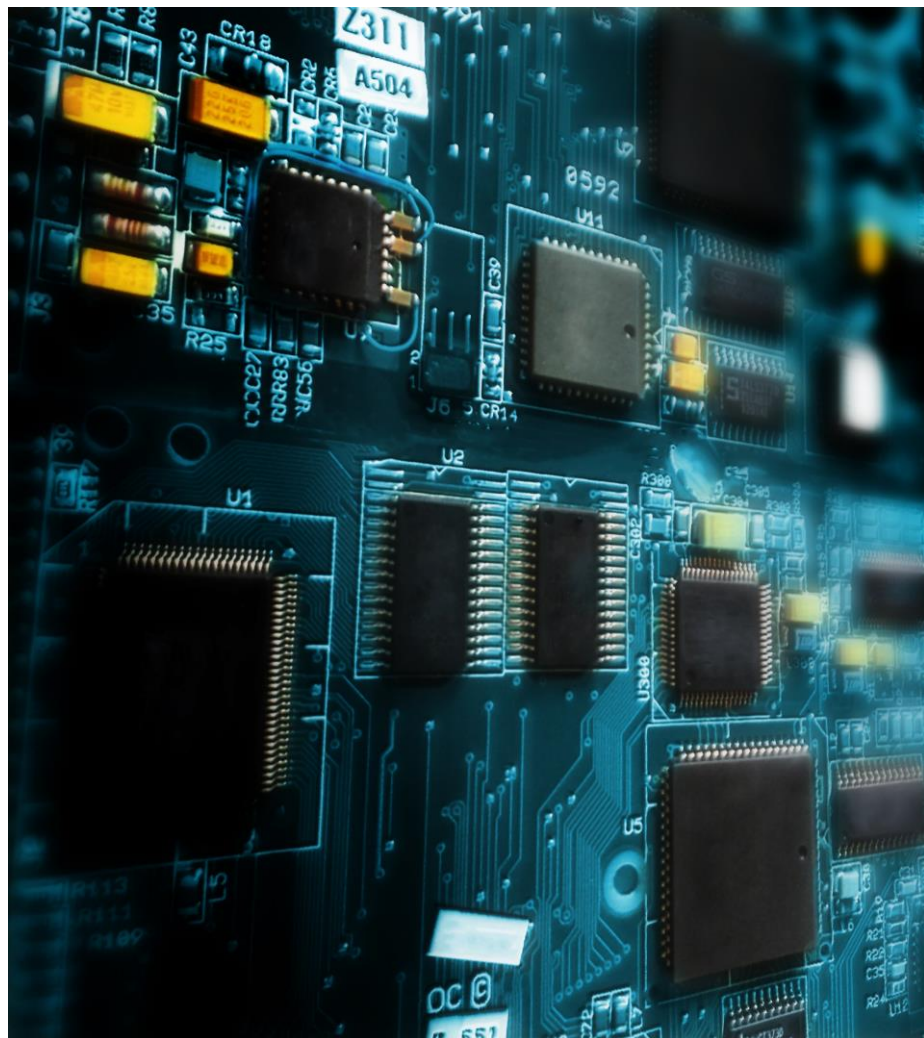


Our AI Solution



- Automated business radiography
 - ✓ Purchasing patterns
 - ✓ Customer needs discovery & trend
 - ✓ Behavioral segmentation
- Predictions
 - ✓ Demand and out-of-stock forecasting
 - ✓ Sales Anomalies
 - ✓ Promo campaigns future impact
- Analysis at Store, SKU or customer level





Key Science of LENS+

- **Consumer needs understanding**
 - deep content filtering approach based on prod2vect and other similar DL approaches
 - own researched and developed approach (<https://arxiv.org/abs/1903.09942>)
- **Advanced time-series forecasting**
 - based on multiple Deep Learning architectures such as hierarchical attention-based recurrent encoder-decoders or temporal convolutional graphs
 - customer event prediction based on own research (<https://arxiv.org/abs/1904.07687>)
- **Anomaly detection**
 - advanced heuristics for various tasks combined with deep learning techniques





What you get

- Assortment optimization
(right product to the right place at the right time)
- Marketing optimization
- Merchandising optimization
- Supply chain optimization

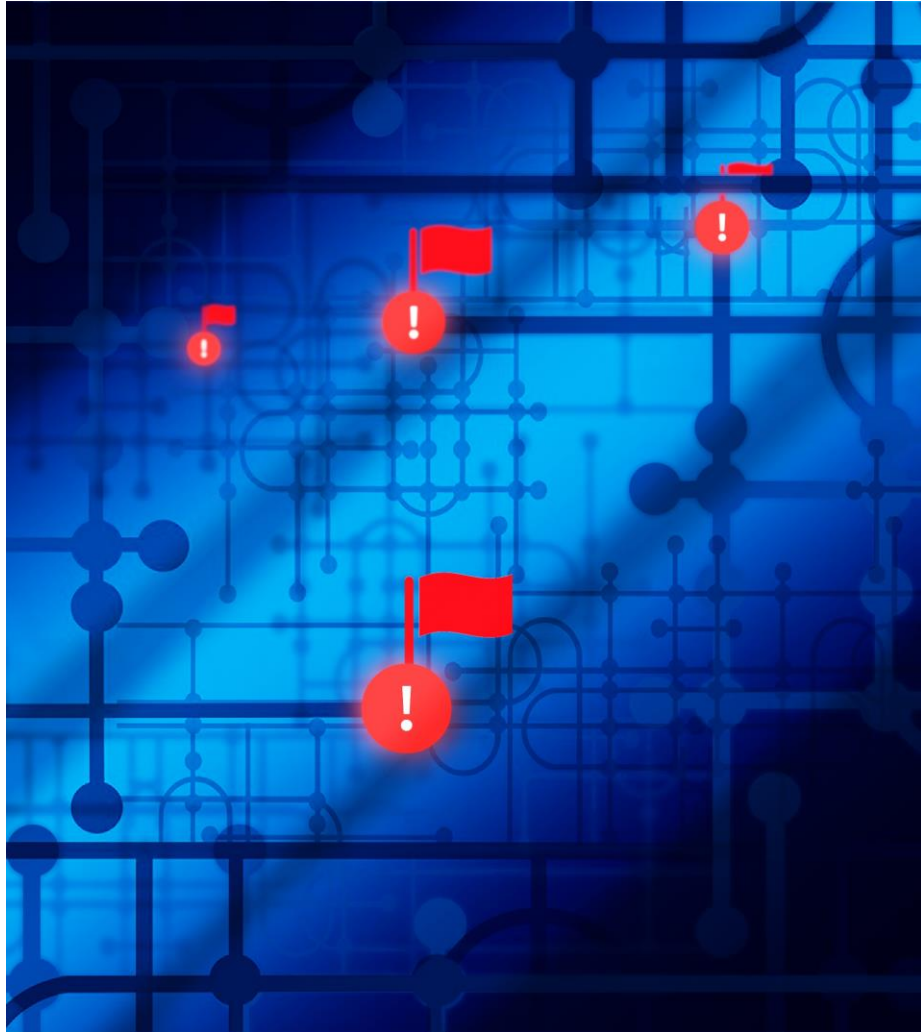




What you gain

- Improve operational efficiency
- Increase customer satisfaction
- Increase customer loyalty
- Increased revenues





Case study:
Lummetry LENS+

- Automated out-of-stock predictive alerts
- Behavioral based store segmentation for smart replenishment
- Store level sales anomalies detection & prevention





Lummetry.AI

Artificial Intelligence company
Deep Learning for data-driven insights

Our expertise:

- Predictive Business Analytics
- Video Analytics
- Domain Agnostic Anomaly Detection
- Neural Language Modelling Solutions

Target application domains: Retail, Banking, Manufacturing, Security, Healthcare, Distribution and Logistics



OUR AI



LENS+



VAPOR+



SHIELD



ALLAN



ODISSEI

