

Institute of Physics, Beneš & Lát Demand Forecasting Enhancement

AppSatori collaborated to enhance demand forecasting. Vertex AI Forecasting was utilized, with a focus on an AutoML model integrated with BigQuery for enhanced prediction accuracy.

The challenge

The company previously used ARIMA (AutoRegressive Integrated Moving Average) and LSTM (Long short-term memory) for demand forecasting but faced unsatisfactory results. They required a more accurate and efficient way to predict demand for their diverse product range.

The solution

Customized solution for Beneš & Lát included thorough consultation, analyzing ERP (Enterprise resource planning) data (80,000+ records since 2004), incorporating cancellations, billing, and external factors. Implemented AutoML model integrated with BigQuery, leveraging Vertex AI Forecasting for superior demand prediction.

The result

The implementation of Vertex AI Forecasting significantly improved the accuracy of demand forecasts for Beneš & Lát a.s. This advancement allowed for a more efficient alignment of their production processes with the market, leading to enhanced operational efficiency and reduced resource wastage.

This project demonstrates the effective application of advanced AI and machine learning in upgrading traditional manufacturing forecasting systems, offering a model for similar industries aiming to enhance their predictive capabilities and operational effectiveness.



About Institute of Physics (FZU)

Institute of Physics (FZU), a premier Czech research institution, excels in six physics research directions: particle physics, condensed matter, solid-state physics, optics, plasma, and laser physics. FZU provides an inspiring environment for top-tier basic and applied research, offering interdisciplinary student training.

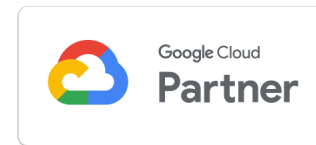
Vertical/horizontal solution: Other

Primary project location: Czech Republic



About AppSatori s.r.o.

We help companies grow their businesses in the Cloud. We are cloud oriented and base our business on disruptive technologies.



Products

Google Cloud Platform