



predica.

Predica Cargo Management



Digital Transformation of the logistics industry
Discovery Cargo Management Automation solution based on Azure Data Lake

Our Cargo Management Automation solution can revolutionize the logistics industry!

Challenges

Modern logistics is faced with the problems of:

- High shipment costs
- Frequent, unexpected delays
- Inaccurate tracking

The logistics industry has a massive potential for increasing efficiency and can become the leader in digital transformation with the power of cloud solutions.

Ideal Solution

A dedicated solution can enable companies to:

- Lower shipment costs
- React more quickly to delays
- Enable real-time monitoring for a better customer service

A customized, integrated system that gathers information on shipment localization and potential obstacles, and makes it easy to plan an alternative route.

Desired Outcomes

With our customized solution you can:

- Make the best use of your data to increase the efficiency of the shipment process
- Lower your operational costs
- Provide a better service to your customers

Companies are more in control of their shipments, having real-time information on all cargo and being able to offload some of the delay management costs due to automation. Saved resources can be directed towards other business areas.

Stay ahead of your competition!

Fulfil Your logistics operations more efficiently.



Real-time monitoring

- View the precise location of your cargo on an interactive map
- Get the expected time of arrival for any shipment



Automated Alerts

- The system sends alerts about potential obstacles or delays based on weather and news reports
- Real-time data processing means delays can be predicted ahead of time causing minimal disruption



Alternative routing

- The solution helps to plan an alternative route
- Ultimately, the decision-making will be fully automated, based on data



Powered by the cloud

- Scale instantly depending on demand
- No need for physical infrastructure means no operation or maintenance costs

Predica Cargo Management Automation + Microsoft Azure Data Platform

Thanks to Microsoft cloud services provided in the PaaS model, we were able to create a bespoke solution tailored to our client's requirements. However, the overall concept can be applied to a number of different scenarios. The key requirement is to define a valid input data set, and the product will provide the necessary functionalities.

Solution Alignment

Data processing

We use Azure products like Data Lake, Data Factory and LUIS technologies for processing data coming in the form of GPS vessel locations or RSS news feeds. Additional services like Azure Functions or Streams Analytics then perform the required analysis and display the information in a user-friendly manner.

Flexibility

The Azure Data Platform is instantly scalable and supports the solution in its basic form. It is also capable of handling a more complex architecture in terms of data storage, processing and analytics.

Breadth of offering

Microsoft Data Platform supports a variety of systems and sources, including open source solutions. This means that in the long term you will not be limited to a single service or tool set, but new technologies will be adapted to work within the same platform.

Lower costs & ship Your cargo more efficiently!

Our client, the seventh largest freight forwarder existing, serving more than 10 000 its customers. It employs over 11 000 people in more than 100 countries around the world. It operates within industries such as retail, technology and government and defense, among others.

Company management was looking for an integrated solution to track shipments and transports. It was crucial for the system to gather information about known or possible delays caused by weather conditions or other unexpected events. The solution had to simplify the delay management and make looking for an alternative or faster route much easier.

Both the service provider and the clients wanted to see the position of transported cargo on an interactive map with an estimated time of arrival and alerts about potential obstacles. The aim of the project was to create an all-in-one system that would provide real-time information about the cargo position and automate the process of managing delivery delays.



Win Results

We have developed a solution to track shipments and transports that makes the cargo management process fully automatic.

Data processing happens in real time, thanks to Azure cloud technology.

Data processing and analytics offered as platform services (PaaS) provide the right agility in terms of speed of delivery, adjusting solutions at scale and cost-effectiveness.



Why Predica?

Our mission is **to accelerate transition to self-managed organizations**

Microsoft technology consulting and delivery

160 FTE English-speaking skilled consultants, MVPs and former Microsoft Services employees

6 physical locations: Warsaw, Lublin (Poland), Cairo (Egypt), Doha (Qatar), Dubai (UAE), San Diego (USA)

We work in 29 countries on 4 continents

We value reliability and making things happen

Microsoft
Partner



- Gold Enterprise Mobility Management
- Gold Collaboration and Content
- Gold Application Development
- Gold Application Integration
- Gold Windows and Devices
- Gold Cloud Productivity
- Gold Cloud Platform
- Gold Data Analytics
- Gold Datacenter
- Gold Messaging

