



MIND IT
SYSTEMS
Your Reliable Technical Partner

Customer Success Story

Modernizing logistics by
Building a Shipment Container
Optimization Tool



Modern



Scalable



Secure



Executive Summary

Mind IT Systems helped transform a logistics company's distribution capabilities by building a next generation space optimization tool.

Testimonial

"We chose Mind IT Systems for developing a software tool as part of a supply chain optimization solution. Their competent team of technical architect/ developers and ability to understand functional requirements helped us in quick deployment with minimum rework."

"The software is already saving us money, and we would like to thank Mind IT Systems for contributing in our achievement"

Quick Facts

Client

Industry: Supply Chain

Employees: 1001-5000

Geographic Presence: Headquartered in the western Asia

Profile: Client group is one of the largest retail and distribution companies in Qatar

Objectives

ABA Group of Jordan is into distribution of consumer goods and they already had Oracle ASCP for generating requirements plan. Since space in the container is directly proportional to profits earned, optimizing it was necessary

Challenges

- Domain expertise to maintain industry standards
- Performance Optimization in the wake of complex calculations
- Integration with the source system's database

Technologies Supported

- Java
- HTML 5
- Javascript
- Oracle PL/ SQL

Impact



Efficiency
Cost optimization



Manual work
Wastage

Details

Client Profile

The ABA Group is a privately owned company with a heritage that dates back to 1945. They are one of the largest retail and distribution companies in Qatar, with a long-standing reputation for building successful partnerships with the world's leading brands across a diverse range of business activities. Their business streams include: Beverages, Contracting & Property Management, FMCG & Distribution, Hospitality, Information & Communication Technology, Supermarkets, Sports & Lifestyle and Travel & Cargo.

Industry Landscape

The growth in contract and express logistics led the industry growth during 2015-2016. The market for logistics and warehousing increased to USD 760 billion by 2016. This was the period of adjustments with fluctuating oil prices and reduced investments. Even though, there has been a fall in oil and gas projects for the logistics providers, the warehousing segment has been on rise with improved warehousing solutions.

Problem

With the rise in warehousing costs and demand for shipments due to globalization, our client wanted to ensure optimum utilization of valuable resources at hand, namely space in shipment containers.

Solution

Mind IT Systems, true to their core values, were eager to provide a solution that is able to handle all complexity behind the scenes and offer ease of use. We built a web based solution in Java that was integrated with Oracle Demantra an ERP solution being used by the client. The application pulled data from this ERP, applied calculations on top of it and recommended the best orders to fit in any given container, while allowing modifications to take care of the exceptions. Major features include:

- Recommend and create containers for plan orders
- Create Purchase Orders for single or multiple containers
- Manage containers

Freight Forwarding has been the leading segment of the overall logistics and warehousing market over the past few years. During the period 2011-2013, this segment has increased due to the burgeoning infrastructural developments in the country. Retail and FMCG industry has played an important role in the growth of logistics market in Qatar.

The years 2015 - 2016 showcased low growth pace due to a fall in oil and gas projects even when the country remained the largest supplier of natural gas. Sea freight movement has majorly dominated the market for Logistics in Qatar. The warehousing has been an important revenue source apart from the freight forwarding segment as Qatar has observed the price rise of around 5-10% annually in warehousing rental.

Results

Mind IT Systems helped the client build a very specific and niche tool to solve a very precise problem which was impacting their business within their aggressive timeline and budget. Our flexible team worked very closely with them to understand the complex calculations required and made sure they were thoroughly tested to minimize the chances of error. We helped our client achieve:

- Increased efficiency by automating the complex calculations
- Reduced manual work of mapping orders with containers
- Cost optimization by way of reducing the turnaround time and calculation errors
- Reduced wastage by ensuring space within each container is fully utilized as per weight/ volume/ dimensions

Key Success Factors

- » Breadth of expertise
- » Thought leadership
- » Flexibility and scalability

About

Mind IT Systems is a leading global organization focusing on solution via Custom Application Development, Product Engineering, Enterprise Solutions, Business Intelligence and Analytics along with Quality and Testing Services.

Our focus is on developing intellectual property for our clients, while working for quick turnaround development and build scalable and robust solutions for our Global clients.

We continuously strive to innovate for our clients leveraging our experience across domains and technologies with unwavering focus on excellence. We build long term relationships with our customers and work towards long term shared goals to achieve satisfaction for everyone. Depending on your needs, Mind IT Systems provides flexible working models of Onsite, Offsite, Full time, Timeshare and Dedicated Offshore Delivery Centre.



Mission

To bring people's possibilities to reality by engineering awesomeness



Vision

Empowering Humanity



Values

- **Reliability:** We are countonable and dependable
- **Integrity:** We say what we do and we do what we say
- **Responsibility:** We are accountable and answerable
- **Excellence:** We do the Best

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