

February 12, 2014

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# **Supplier Chain | An Overview**







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### **Business Case | Overview**

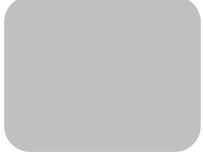




The customer is a leading global manufacturer of aerostructures for commercial, military and business jet aircraft. Products include fuselages, wings, empennages, nacelles and helicopter cabins.

The customer wanted to have a web application which should provide the capability of visually disseminate their supplier management data pulled from multiple sources to be hosted on their domain.













## **Supply Chain Management | Challenges**





### Supply-side

#### Pizza:

- Daily price variability
- · Weekly changes in suppliers
- New Quality reporting
- Traceability challenges based on recipe changes for product options

#### Olives:

New labeling requirements Traveled 5,000 miles.

#### Tomatoes:

Weekly Price changes Increase over 40% in 2011 Traveled 2,900 miles.

### California Red Onions:

Price increase

Traveled 3,000 miles.

Peppers:

Dozens of recalls in category

Traveled 750 miles.

### Demand-side

### Consumer Preference Restaurant Line - DSD to local chains

for whole grain:

Reduces white flour demand:

Northeast: 48% Southeast: 2%

- Increase whole grain suppliers
- · Monitor channel inventory

### Produce price volatility:

Requires price/margin adjustments by restaurants and grocers

#### Mushrooms:

Shipment spoilage due to temperature variability in shipment. Replaced with retail supplies at retail price Travelled 5,000 miles.

#### Canadian Wheat:

Import requiring labels license and database to maintain records and reports Traveled 1,800 miles.

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Packaging/Shipping:

Frozen Line 'cold carriers'

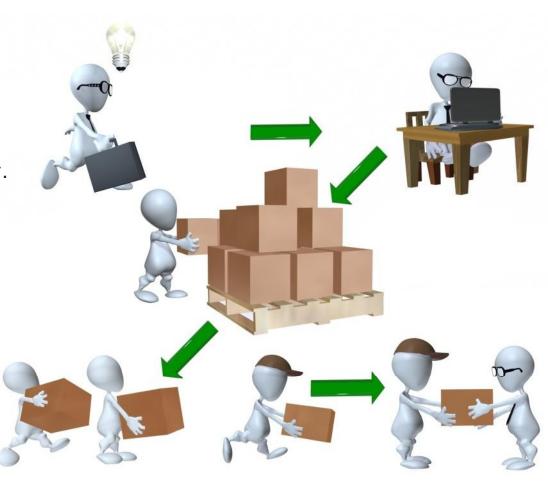
Each item needs to be recorded/traced

# Requirement | Overview





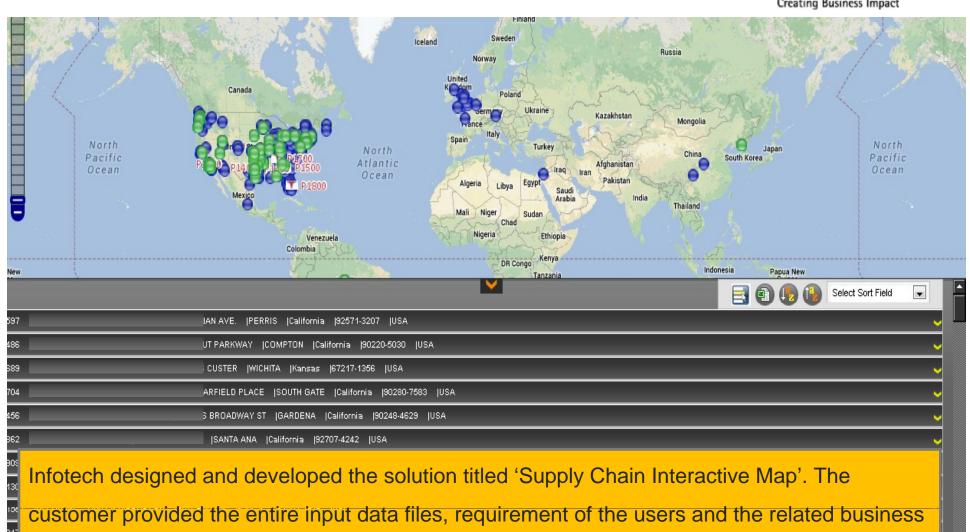
- Web application for users at different locations.
- GIS based interactive map.
- Attributes to display on a banner.
- interactive graph
- Analytical information of the search data in graphical view
- Export documents.



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### **Solution | GIS Web Application**



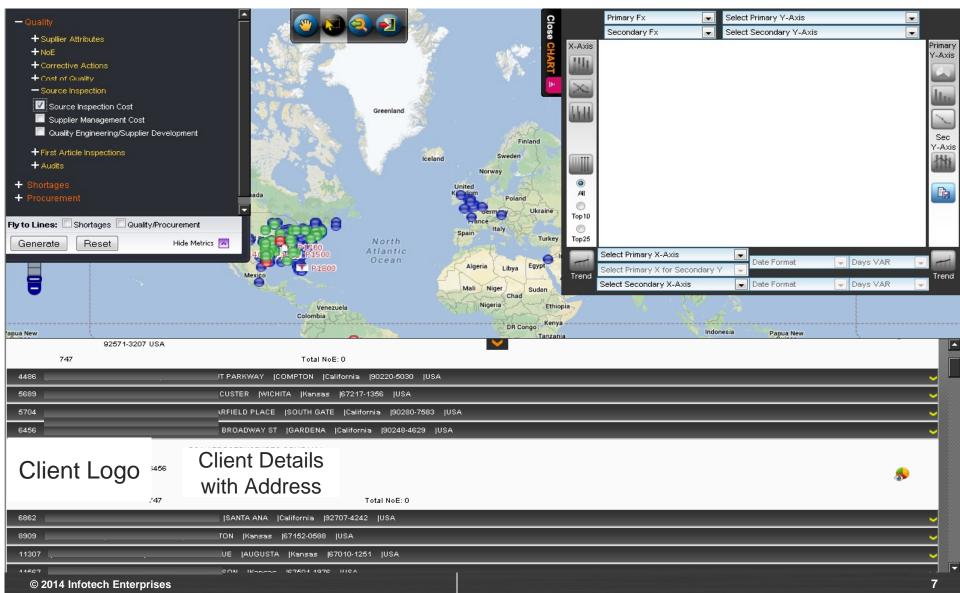


data that was integrated with the application.

### **Solution | Vendor Information**



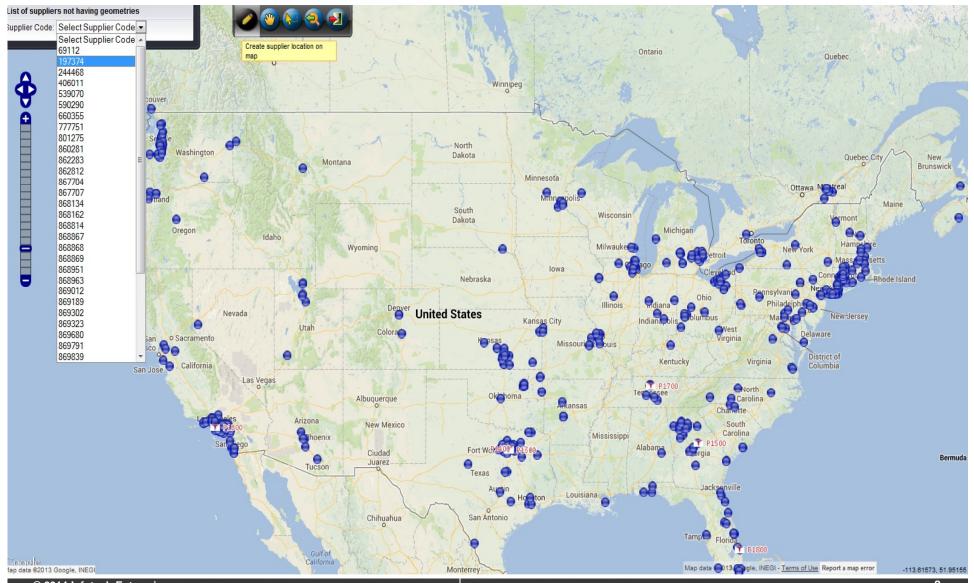




## Solution | Search



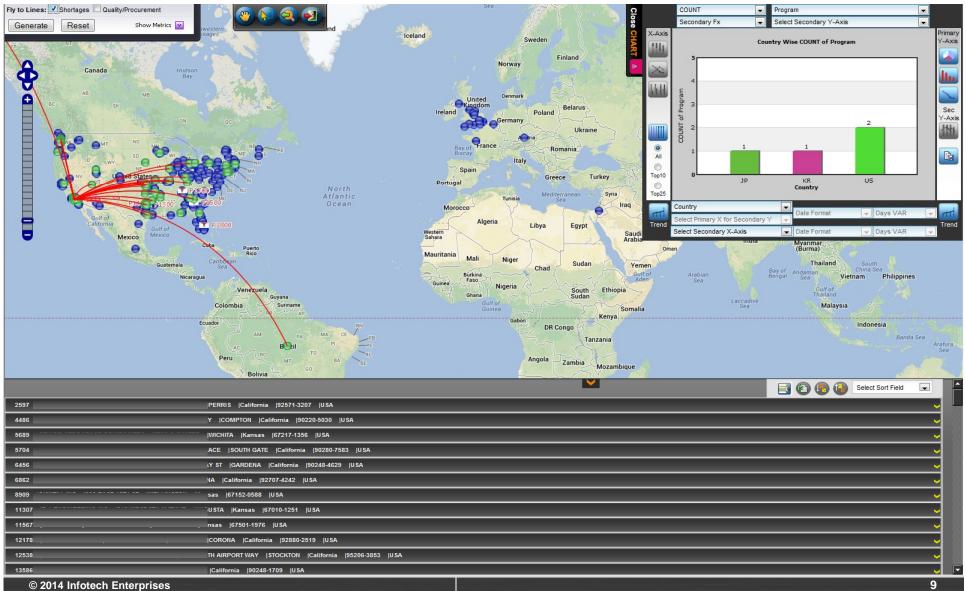




# **Solution | Fly Line**

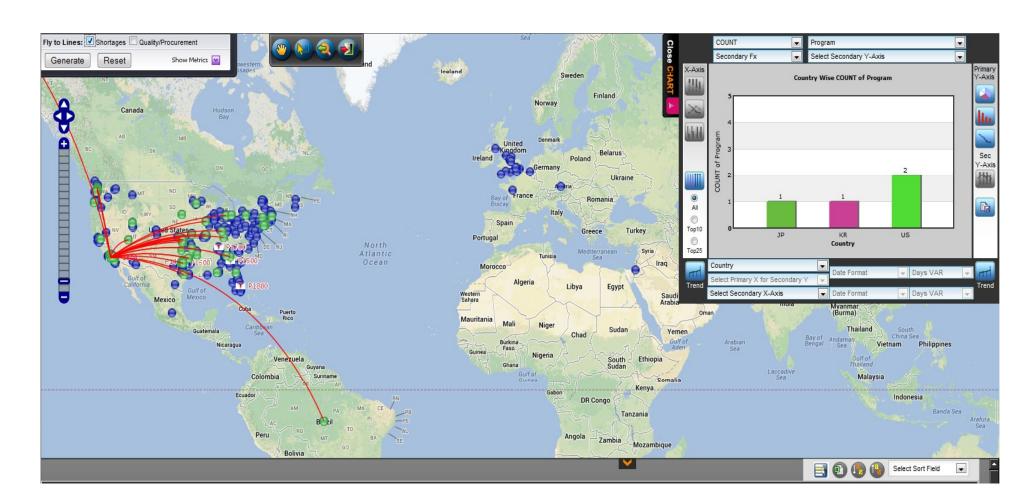






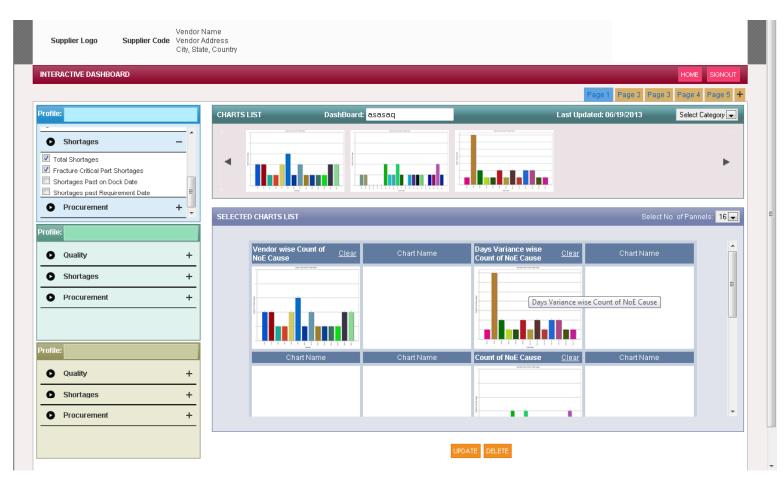
# **Solution | Connect Suppliers to Plant**





### **Solution | Results**





# Technologies Used

- JAVA / J2EE
- Geo Server, Open layers
- PostgreSQL 9.1,Post GIS
- Google Maps API
- Tomcat Web server
- Alfresco
- Fusion Charts
- Windows ActiveDirectory

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