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USER MANUAL

Development of an Enterprise2Map Javascript Library

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Group F, Enterprise Information System,19th Oct., 2016

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Overview

In this document, we present a User Manual as to how to use the JavaScript Library that we created during our Lab Session of EIS during the SS 2016.

In this Lab, we created a JavaScript Library which can plot Enterprise Data on Map with a detailed Geometric depth.

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How it Works

The user has to upload the Enterprise Data in Turtle Format which complies with our Ontology requirements. We have added a sample working Turtle File which can be used for consultation.

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Sample Ontology

```
eis:Plant a rdfs:Class.
eis:Polygon a rdfs:Class.
eis:Building a rdfs:Class.
eis:Machine a rdfs:Class.

eis:hasPlant rdfs:type owl:ObjectProperty;
             rdfs:domain vivo:Company;
             rdfs:range eis:Plant.

eis:headquarters rdfs:type owl:DatatypeProperty;
                 rdfs:domain vivo:Company;
                 rdfs:range xsd:string.

eis:wasBuilt rdfs:type owl:DatatypeProperty;
             rdfs:domain vivo:Company unionOf eis:Plant unionOf lgdo:Factory unionOf eis:Building;
             rdfs:range xsd:date.
```

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Requirements

- Input Data should be in Turtle Format in a specific format.
- Angular JS.
- Leaflet.
- Apache Jena Fueski.

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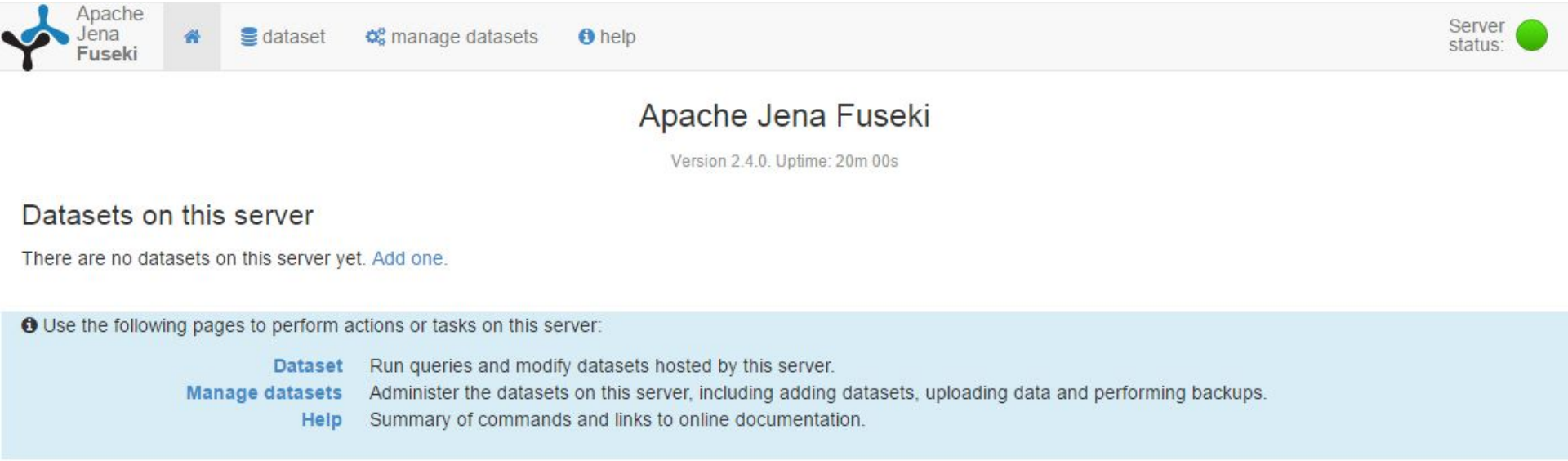
How to Use

Steps:

1. Start Apache Jena and open on a Browser.
   (Go to : http://localhost:3030/index.html)



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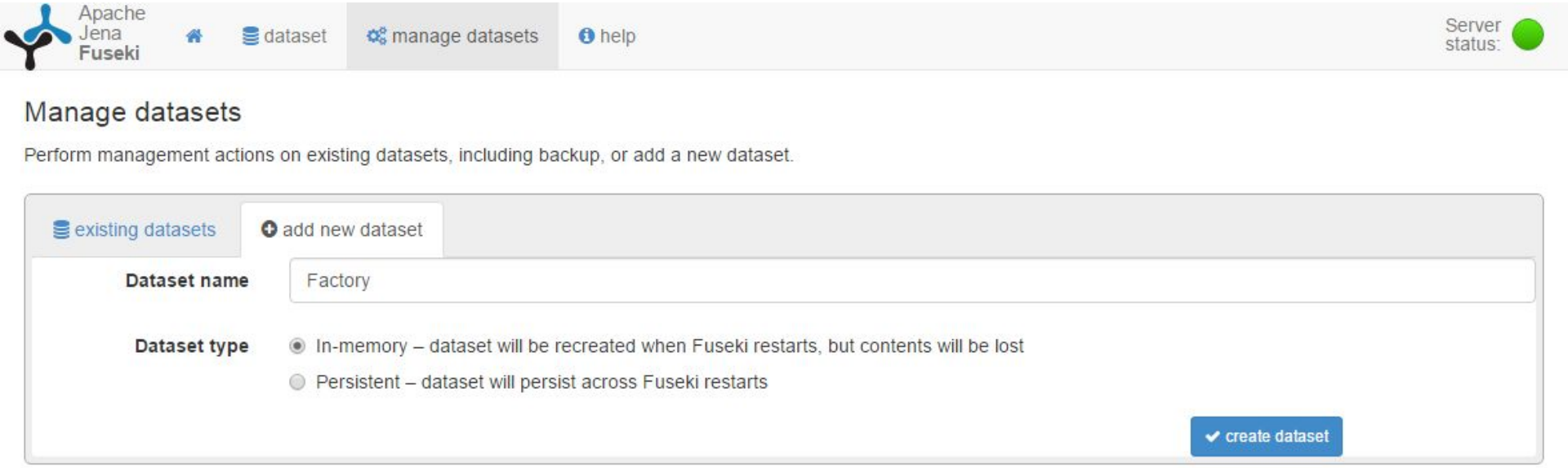
How to Use

2. Create a Dataset.



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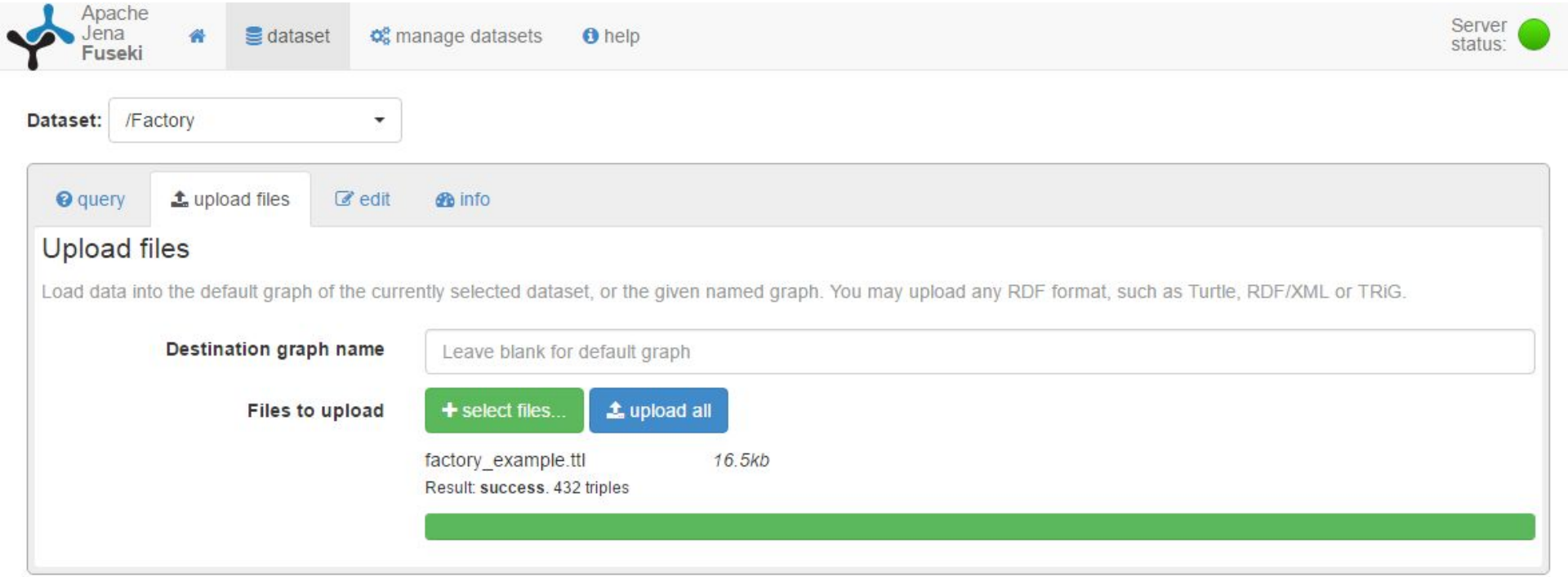
How to Use

3. Upload Turtle File.



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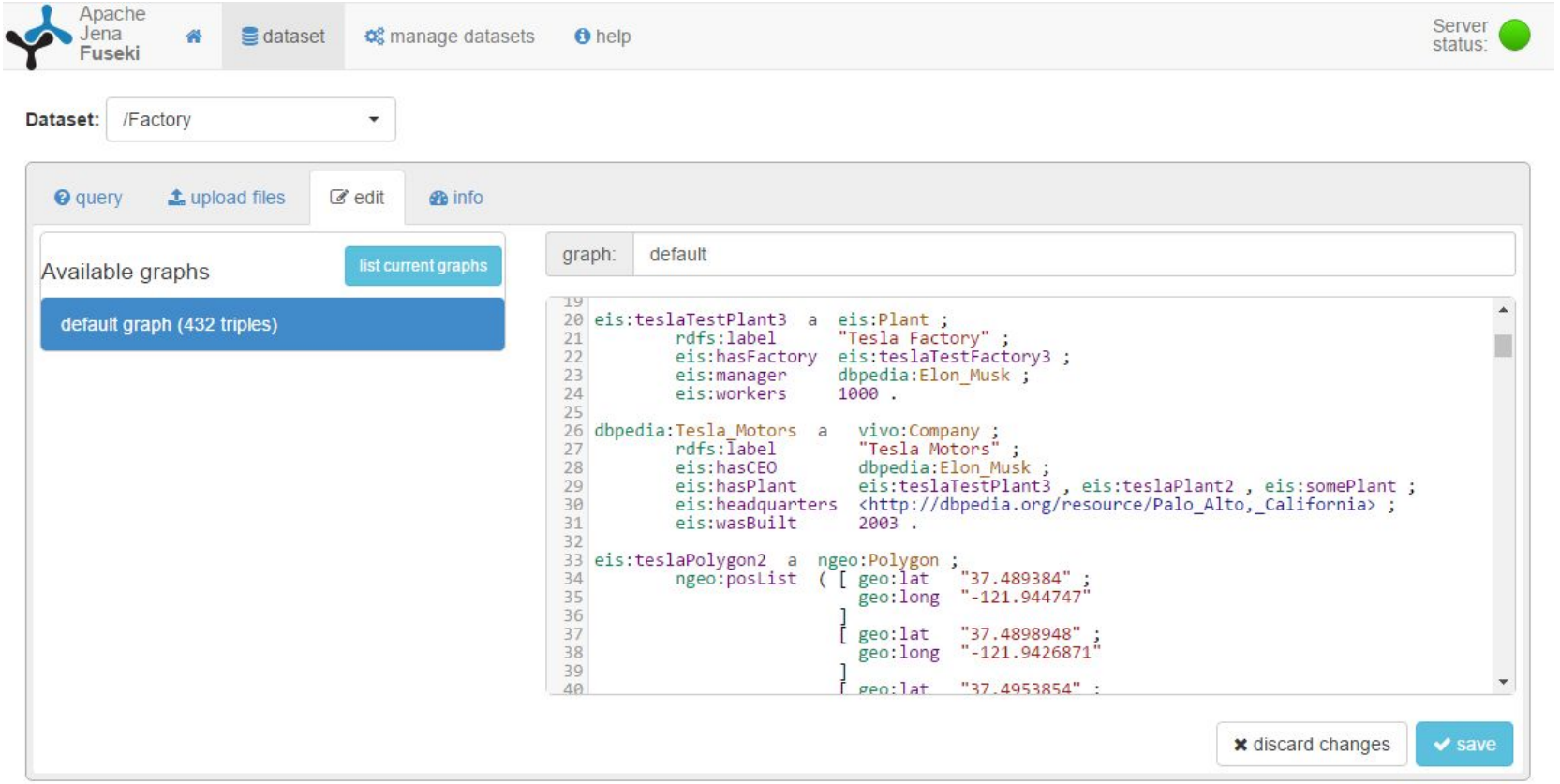
How to Use

4. View the Uploaded Turtle File.



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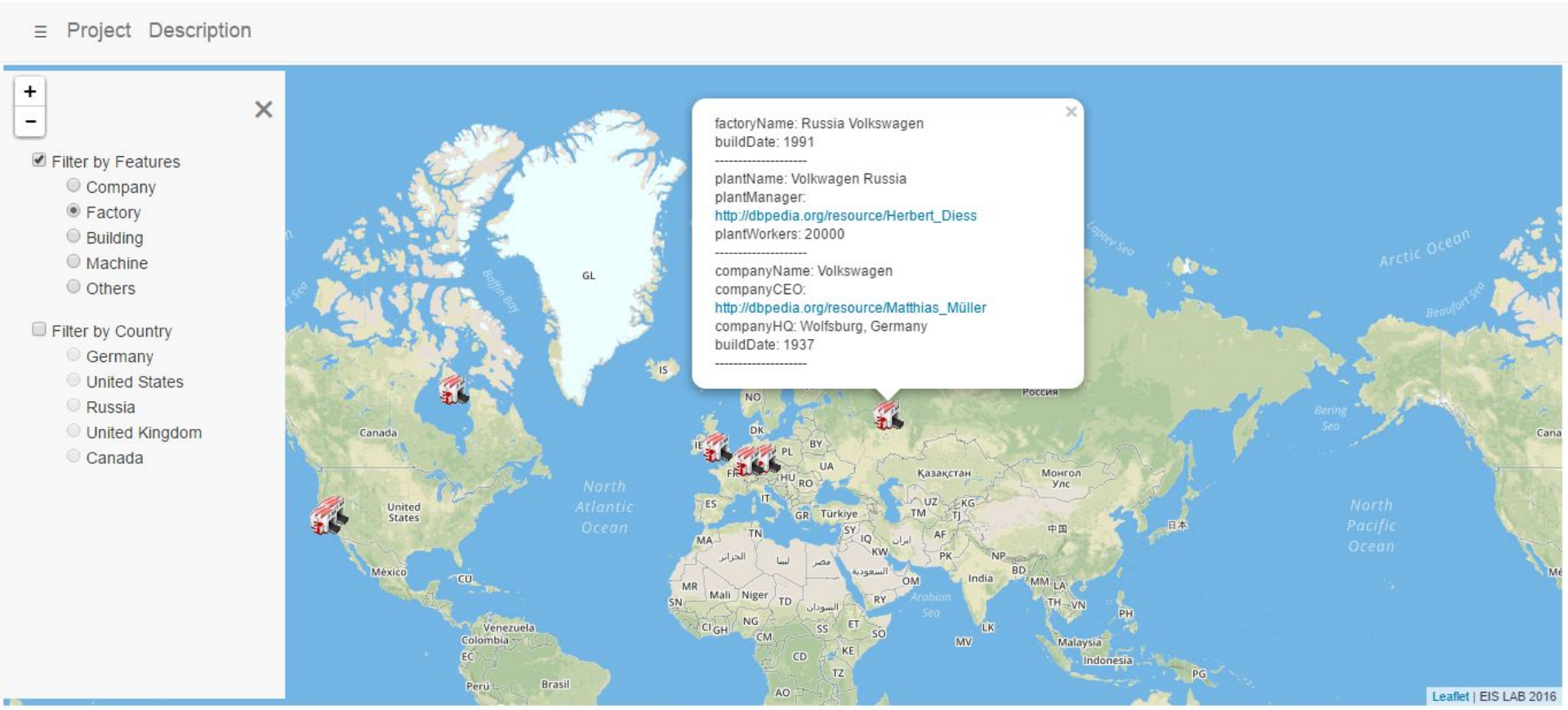
How to Use

5. Open “test.html” File on a Browser.



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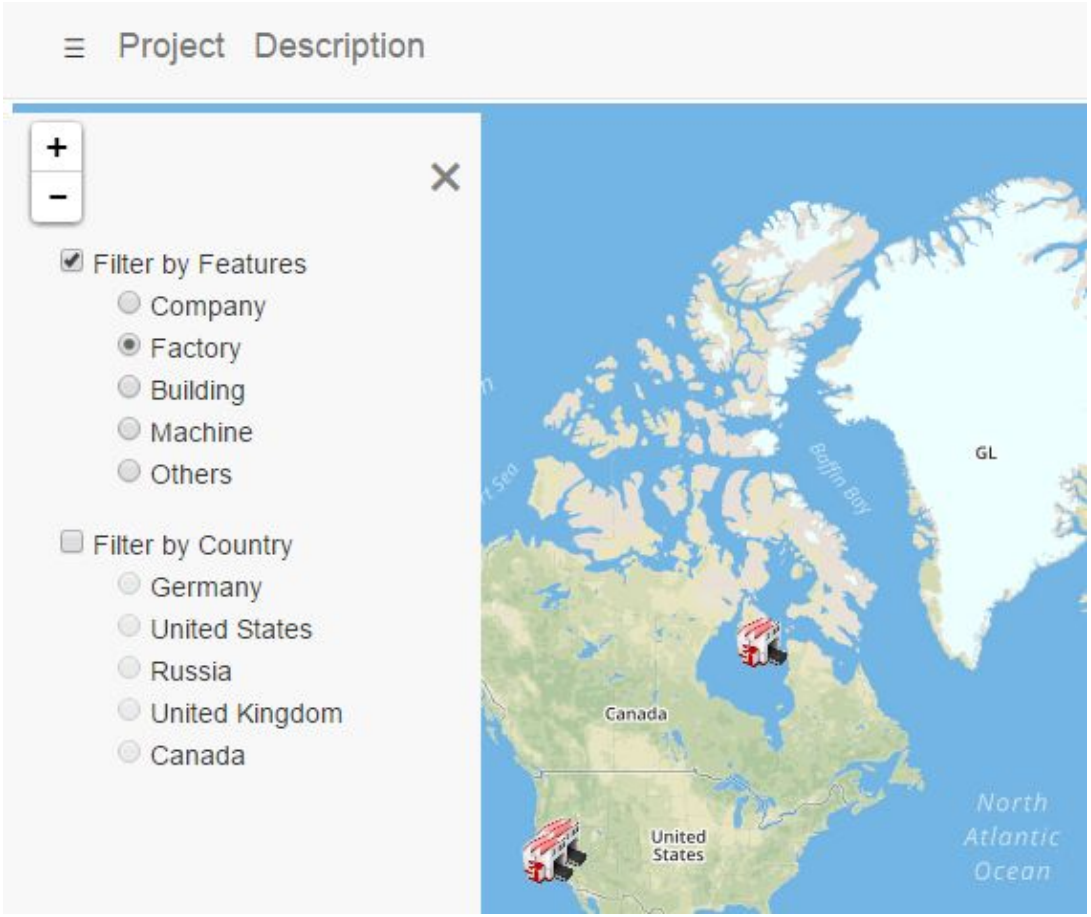
How to Use

6. Filtering is enabled on the basis of different features and also on basis of Country.



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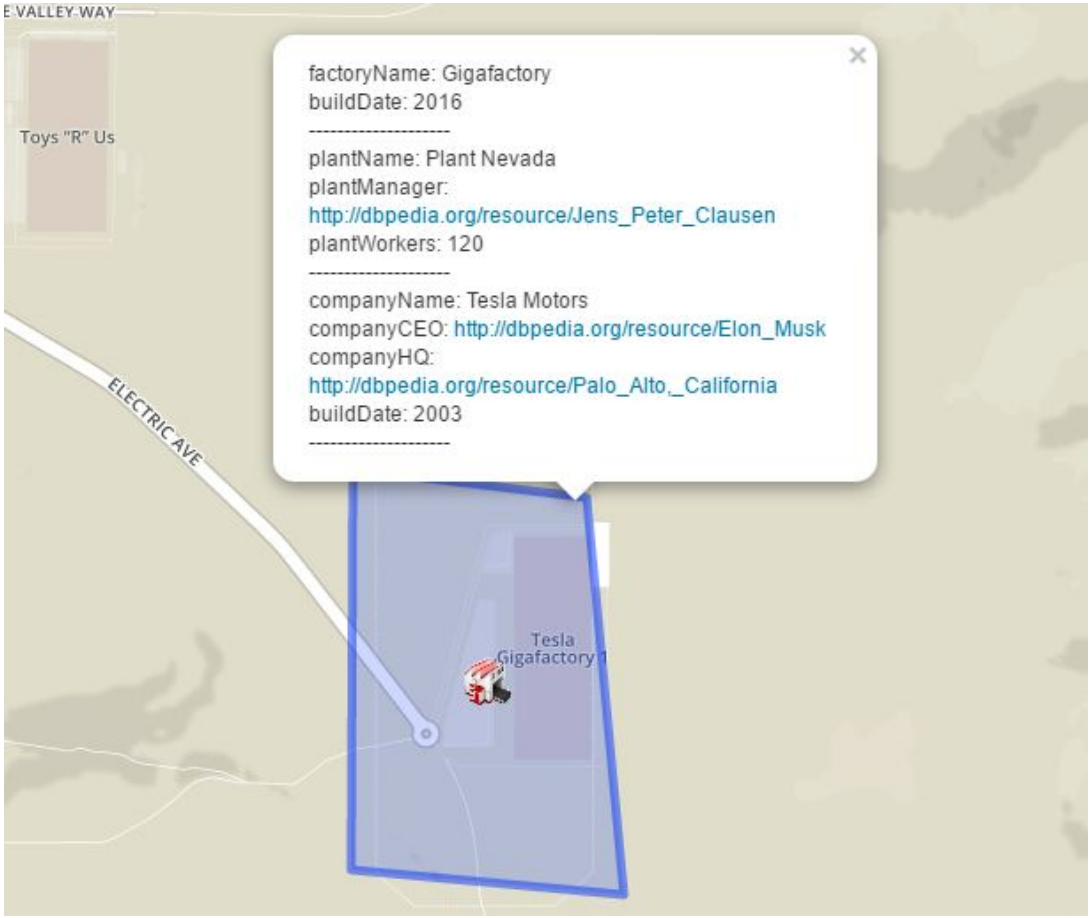
How to Use

7. Zoom Functionality is enabled and we can zoom to a great Geometric Detail.



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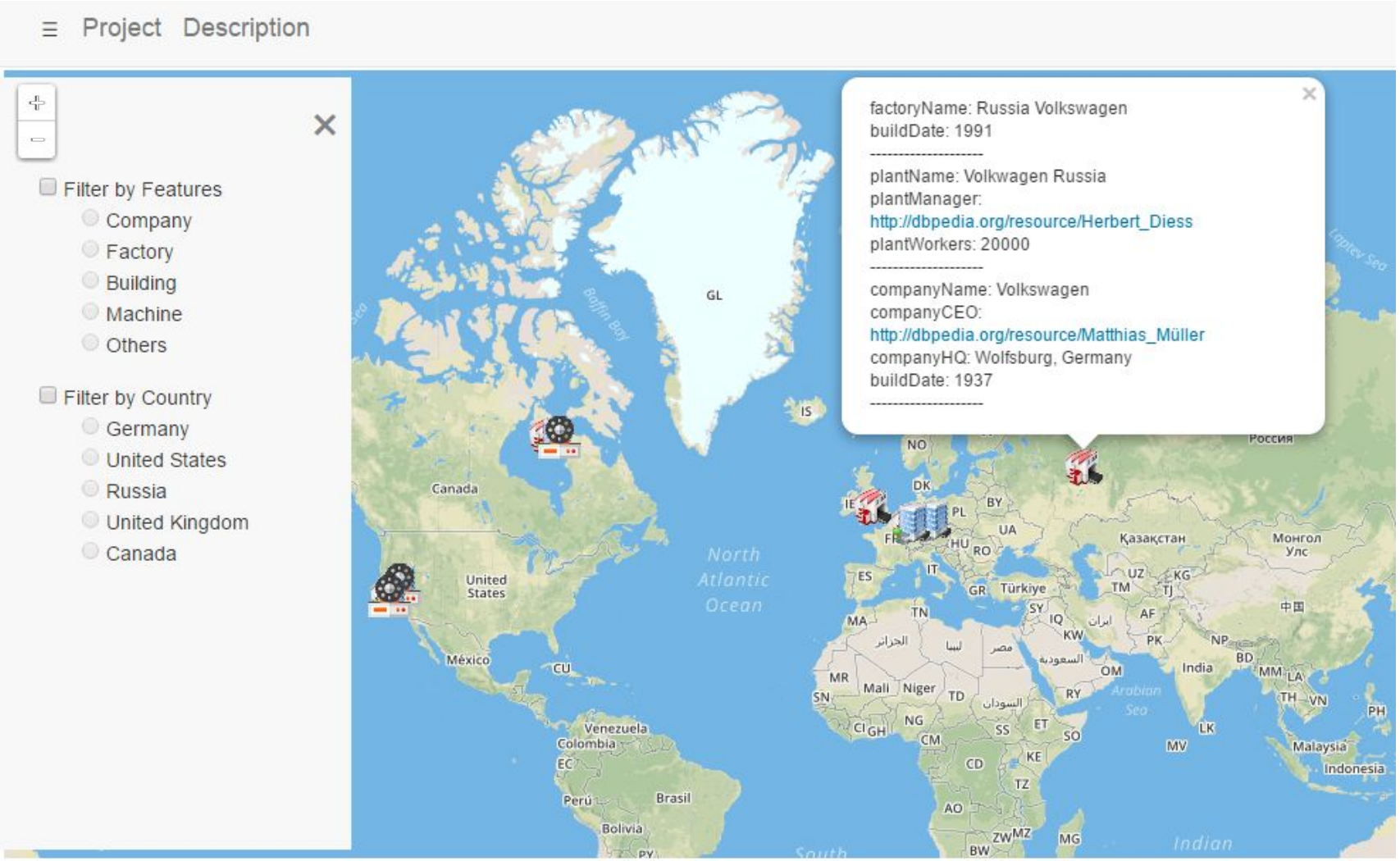
Complete View



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