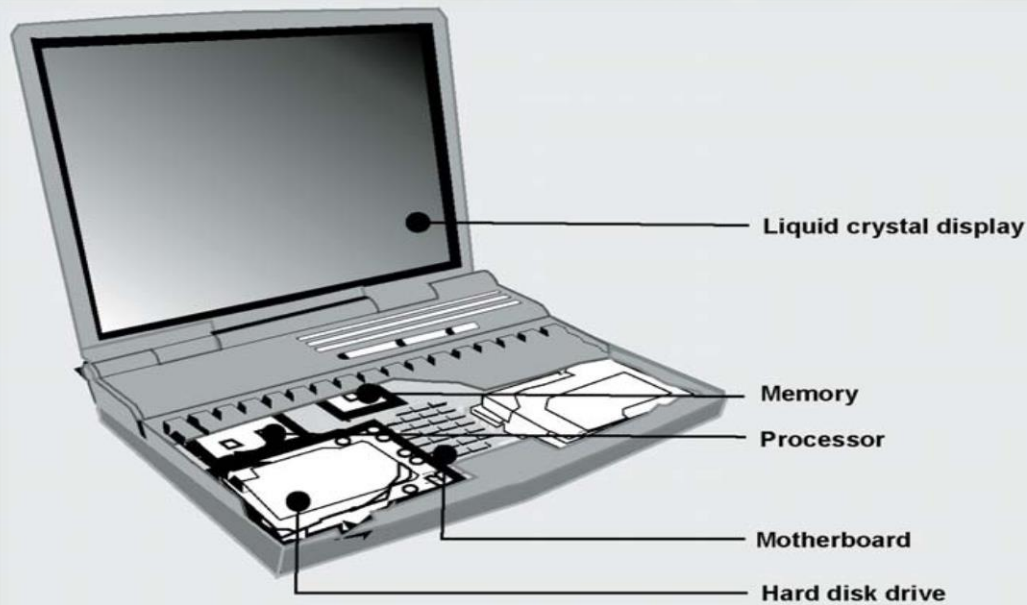


The background of the slide is a faded image of the United States flag, featuring the stars and stripes. In the center, a bald eagle is depicted with its wings spread wide, as if in flight. The eagle's head is turned slightly to the left. The overall image has a soft, semi-transparent appearance, allowing the text to be clearly visible.

# Supply Chain Resiliency

Visual Supplier Assessment &  
Analysis Modules  
(VSAAM)

# Supply Chain Sources - Risk

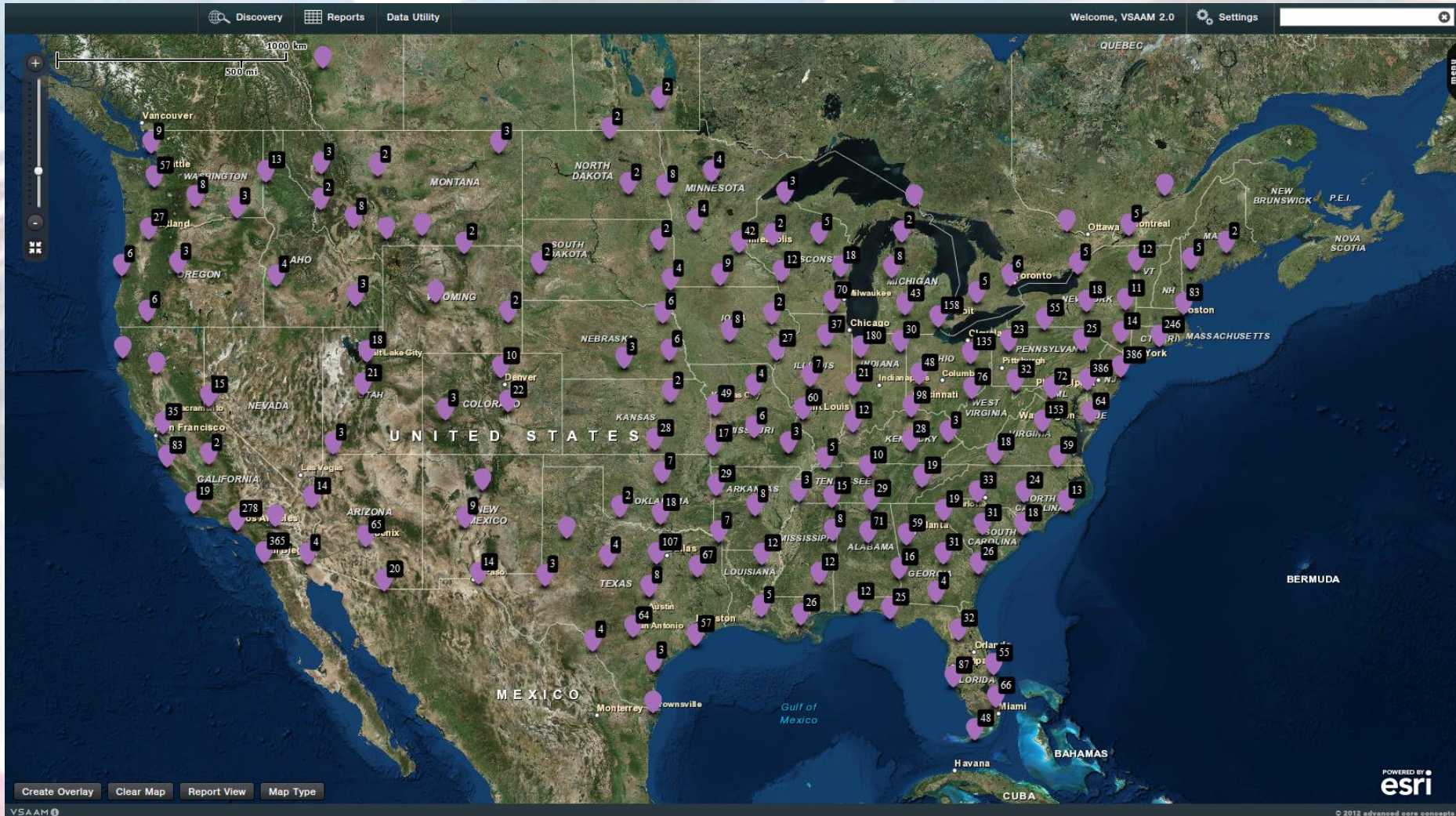


| Component              | Location of facilities potentially used by suppliers   |
|------------------------|--|
| Liquid crystal display | China, Czech Republic, Japan, Poland, Singapore, Slovak Republic, South Korea, Taiwan                          |
| Memory                 | China, Israel, Italy, Japan, Malaysia, Philippines, Puerto Rico, Singapore, South Korea, Taiwan, United States |
| Processor              | Canada, China, Costa Rica, Ireland, Israel, Malaysia, Singapore, United States, Vietnam                        |
| Motherboard            | Taiwan   |
| Hard disk drive        | China, Ireland, Japan, Malaysia, Philippines, Singapore, Thailand, United States                               |

Source: GAO analysis of public information



# Supply Chain Visibility



# Supply Chain Visibility

Discovery Reports Data Utility Welcome, VSAAM 2.0 Settings

**FAYMER MAKINA IMALAT IHRACAT LTD STI**

Profile Contracts Similar Suppliers

Show On Map edit

| Description           |          |                   |                             |
|-----------------------|----------|-------------------|-----------------------------|
| DUNS:                 | 65616757 | Company Type:     |                             |
| CAGE:                 | T7313    | Location Type:    | SINGLE_LOCATION             |
| Parent DUNS:          |          | Parent Company:   |                             |
| Ultimate Parent DUNS: |          | Line of Business: | Motor vehicle parts and ... |
| Ultimate Parent Name: |          | Primary NAICS:    | 336390                      |
| Classifications:      |          | NAICS:            | 336390                      |

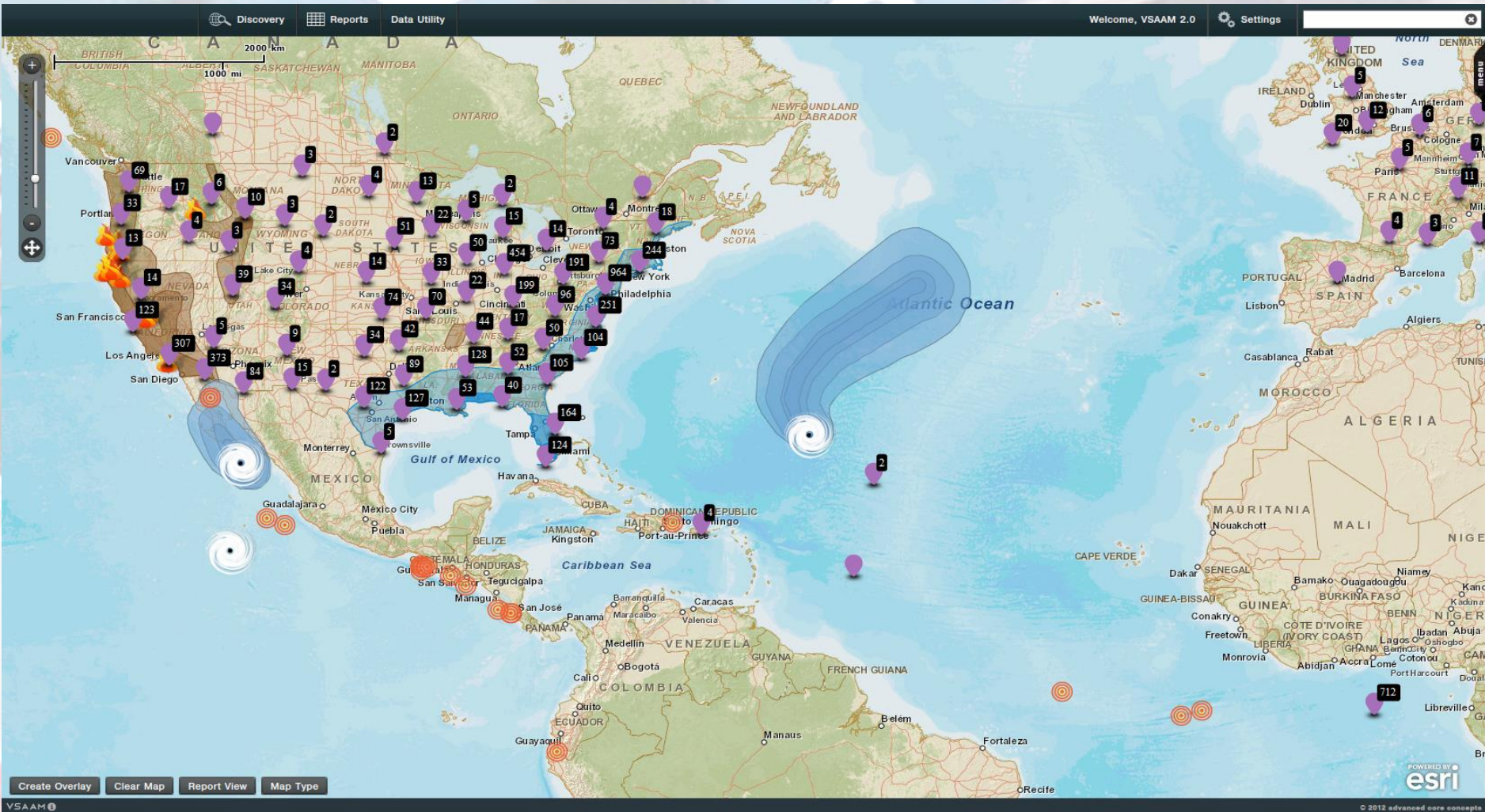
| Contact    |                                 |             |                |
|------------|---------------------------------|-------------|----------------|
| Address 1: | KOCASINAN SANAYI SIT. 1187. ... | Phone:      | 90-312-3545499 |
| City:      | ANKARA                          | Fax:        | 90-312-3545499 |
| State:     |                                 | Metro Area: |                |
| Zip:       | 6370                            | Websites:   |                |
| Country:   | TURKEY                          |             |                |
| Latitude:  | 39.93                           |             |                |
| Longitude: | 32.85                           |             |                |

| Financial                     |    | Associated Programs |                                     |
|-------------------------------|----|---------------------|-------------------------------------|
| Marketing Prescreening Score: |    | OSD Supplier(s)     | <input checked="" type="checkbox"/> |
| Total Employees:              | 10 |                     |                                     |
| Employees at This Location:   | 10 |                     |                                     |
| Sales(millions):              |    |                     |                                     |

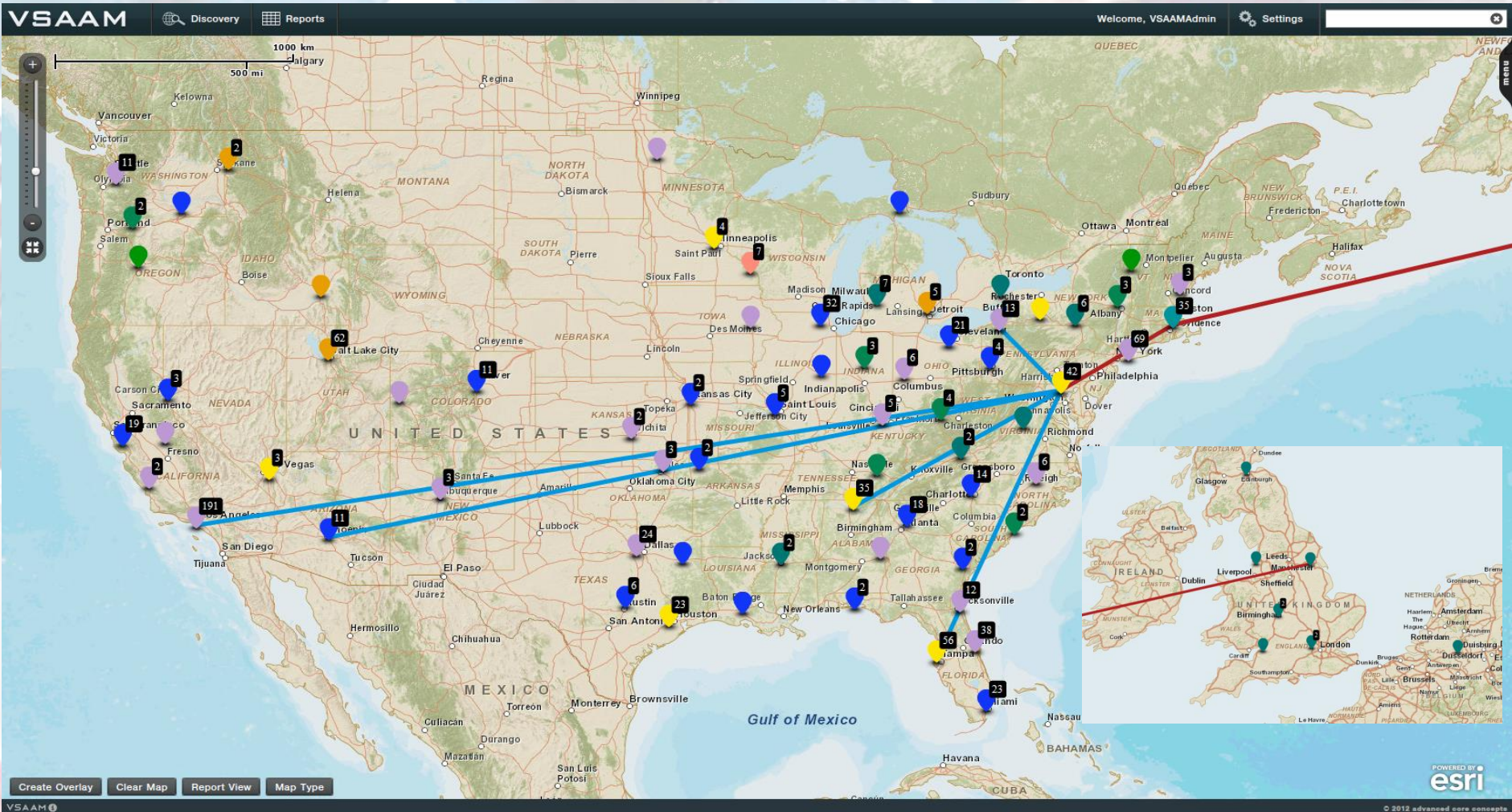
Create Overlay Clear Map Report View Map Type

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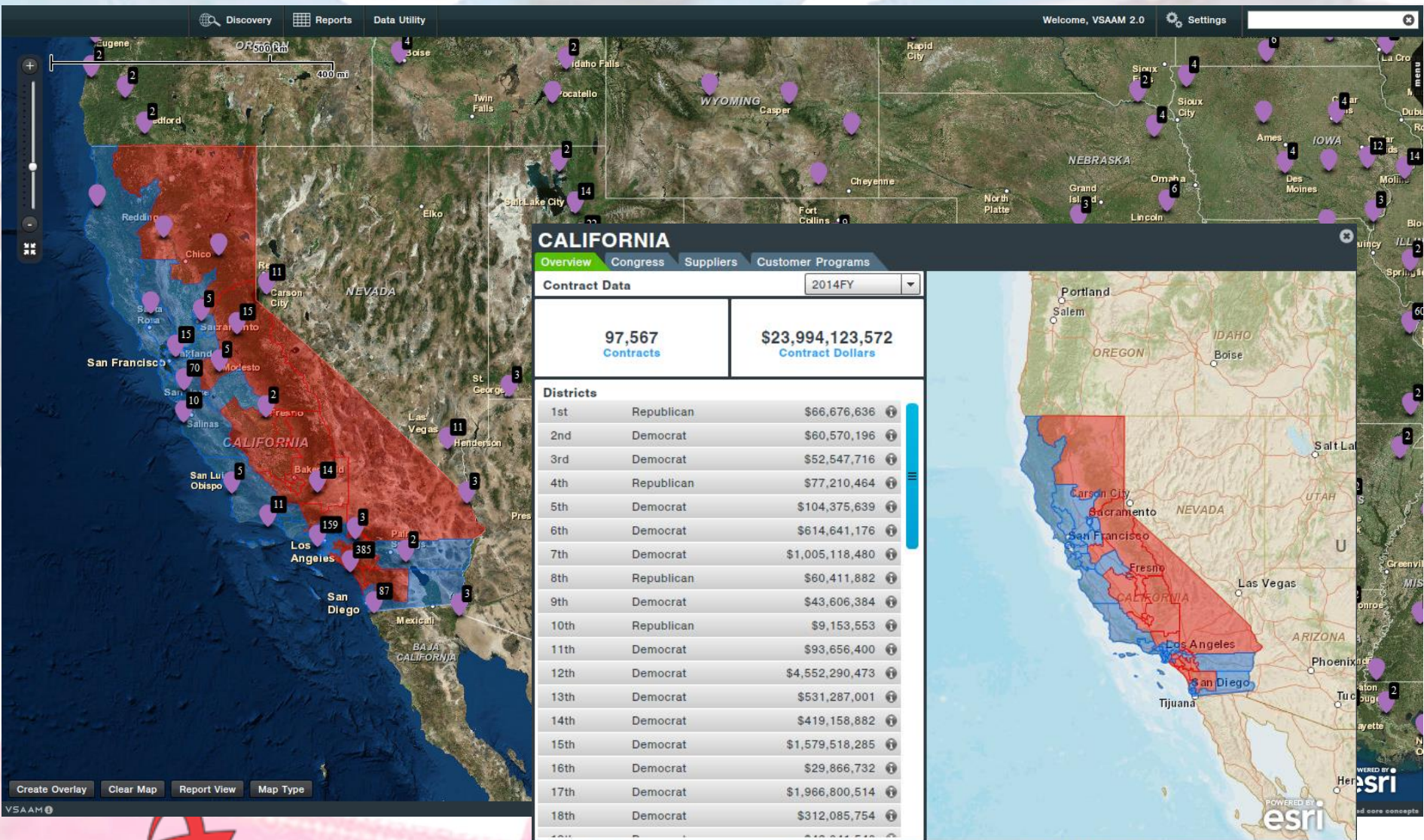
# Supply Chain Viability-Disruptions



# Supply Chain Viability-Relationships



# Supply Chain Viability-Legislative





# Supply Chain Capability - Risk





# Supply Chain Capability-Discovery

**Cerium(IV) oxide**

**Applications:**

- DIESEL FUEL ADDITIVE**
  - Cerium
  - Lanthanum
- HYBRID NIKKI BATTERY**
  - Lanthanum
  - Cerium
- CATALYTIC CONVERTER**
  - Cerium / Lanthanum
  - Lanthanum
- LED SCREEN**
  - Europium
  - Yttrium
  - Barium
- COMPONENT SENSORS**
  - Yttrium
- HYBRID ELECTRIC MOTOR AND GENERATOR**
  - Neodymium
  - Praseodymium
  - Dysprosium
  - Terbium

**Identifiers**

|                |   |
|----------------|---|
| CAS number     | 1306-38-3 ✓<br>12014-56-1 (monohydrate) |
| PubChem        | 73963                                   |
| ChemSpider     | 8395107 ✓                               |
| UNII           | 619G5K328Y ✗                            |
| ChEBI          | CHEBI:79089 ✗                           |
| Jmol-3D images | Image 1 <a href="#">🔗</a>               |
|                | <b>SMILES</b> <a href="#">[show]</a>    |
|                | <b>InChI</b> <a href="#">[show]</a>     |

**Properties**

|                   |  |
|-------------------|--|
| Molecular formula | CeO <sub>2</sub>                                 |
| Molar mass        | 172.115 g/mol                                    |
| Appearance        | white or pale yellow solid, slightly hygroscopic |
| Density           | 7.215 g/cm <sup>3</sup>                          |
| Melting point     | 2400 °C  |



# Supply Chain Capability-Discovery

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1000 km 500 mi

QUEBEC

NEW BRUNSWICK P.E.I. NOVA SCOTIA

BERMUDA

BAHAMAS CUBA

POWERED BY esri

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Search Results for 'cerium' [Show On Map](#)

|   |  |
|---|--|
| <b>CERIUM NETWORKS, INC.</b><br><a href="http://www.ceriumnetworks.com/">http://www.ceriumnetworks.com/</a><br>DUNS: 015601615 - Country: United States             |  |
| <b>NANO-OXIDES, INC.</b><br><a href="http://www.nano-oxides.com/">http://www.nano-oxides.com/</a><br>DUNS: 808379007 - Country: United States                       |  |
| <b>ELECTRO ABRASIVES CORPORATION</b><br><a href="http://www.electroabrasives.com/">http://www.electroabrasives.com/</a><br>DUNS: 156492233 - Country: United States |  |
| <b>BETA DIAMOND PRODUCTS INC</b><br><a href="http://www.betadiamond.com/">http://www.betadiamond.com/</a><br>DUNS: 131626376 - Country: United States               |  |
| <b>ALLIED HIGH TECH PRODUCTS, INC.</b><br><a href="http://www.alliedhightech.com/">http://www.alliedhightech.com/</a><br>DUNS: 151849635 - Country: United States   |  |

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# Supply Chain Capacity-Resilience

Discovery Reports Data Utility
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## Supplier Resiliency

Supplier Economic Resilience
Supplier Resiliency Modeling
Program Analysis

**Demand Modeling Parameters**

Supply Chain Readiness Level < \_\_\_\_\_ >

Inventory Turnover < \_\_\_\_\_ >

Production Rate Quantity < \_\_\_\_\_ >

Subsystem Commonality < \_\_\_\_\_ >

Platform Commonality < \_\_\_\_\_ >

**To-Be Scenario**

|                                |      |  |
|--------------------------------|------|--|
| Supply Chain Readiness Level   | 0.60 |  |
| Production Rate / Demand Score | 3.60 |  |
| Financial Score                | 1.62 |  |

0 1 2 3 4 5 6 7 8 9 10

**Projected Score**

|                            |      |  |                     |      |             |       |                    |  |
|----------------------------|------|--|---------------------|------|-------------|-------|--------------------|--|
| Projected Resiliency Score | 5.81 |  | Total Assets        | 3.09 | Net Income  | 0.00  | Inventory Turnover |  |
| Financial Score            | 1.62 |  | Current Assets      | 3.14 | Net sales   | 0.56% | Last PO Date       |  |
| Production Rate / Demand   | 3.60 |  | Total Liabilities   | 6.00 | Gross Sales | 0.04  | Pending PO Date    |  |
| Supply Chain Readiness     | 0.60 |  | Current Liabilities | 6.00 |             |       |                    |  |

**System Platform**

System Search

Enter Search Keywords...

Gamma - subcompact FWD

Delta - compact FWD

W - midsize FWD

Sigma - midsize RWD

---

**Supplier Search**

Enter Search Keywords...

3M (Energy and Advanced Materials...)

3V FASTENERS

A & M Electronics Supply, Inc.

A&S Case Company, Inc.

A.S.A.P. Technologies Inc.

AAA PLATING & INSPECTION, INC.

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“Fine art is knowledge made visible”

Gustave Courbet

The same is true for Supply Chain  
Viability, Capability & Capacity



advanced **core** technologies



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