

# Atlas

20<sup>th</sup> May 2013

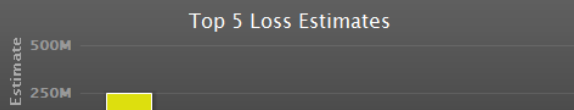
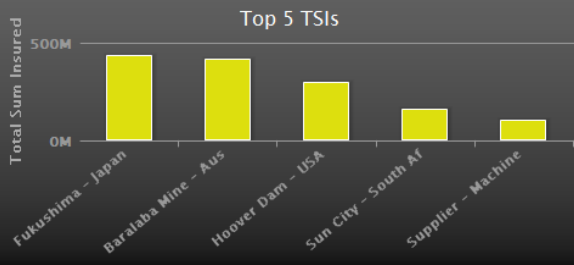
Willis

# Dashboard

## Client Summary



## Insurance Summary



## Recommendations



### Least Recommendations

- Romualdez Airport - Philippines
- Baralaba Mine - Australia
- Sun City - South Africa
- Head Office - UK
- Fukushima - Japan

## Natural Catastrophe Hazards

### Earthquake Intensity

| Cat | Sites | TSI         |
|-----|-------|-------------|
| 1   | 6     | 744,091,271 |
| 2   | 2     | 302,000,000 |
| 3   | 4     | 679,462,823 |
| 4   | 1     | 25,264,431  |
| 5   | 1     | 53,014,382  |

### Floods Risk

| Cat | Sites | TSI         |
|-----|-------|-------------|
| 1   | 5     | 516,074,464 |
| 3   | 1     | 86,774,630  |
| 5   | 1     | 5,000,000   |

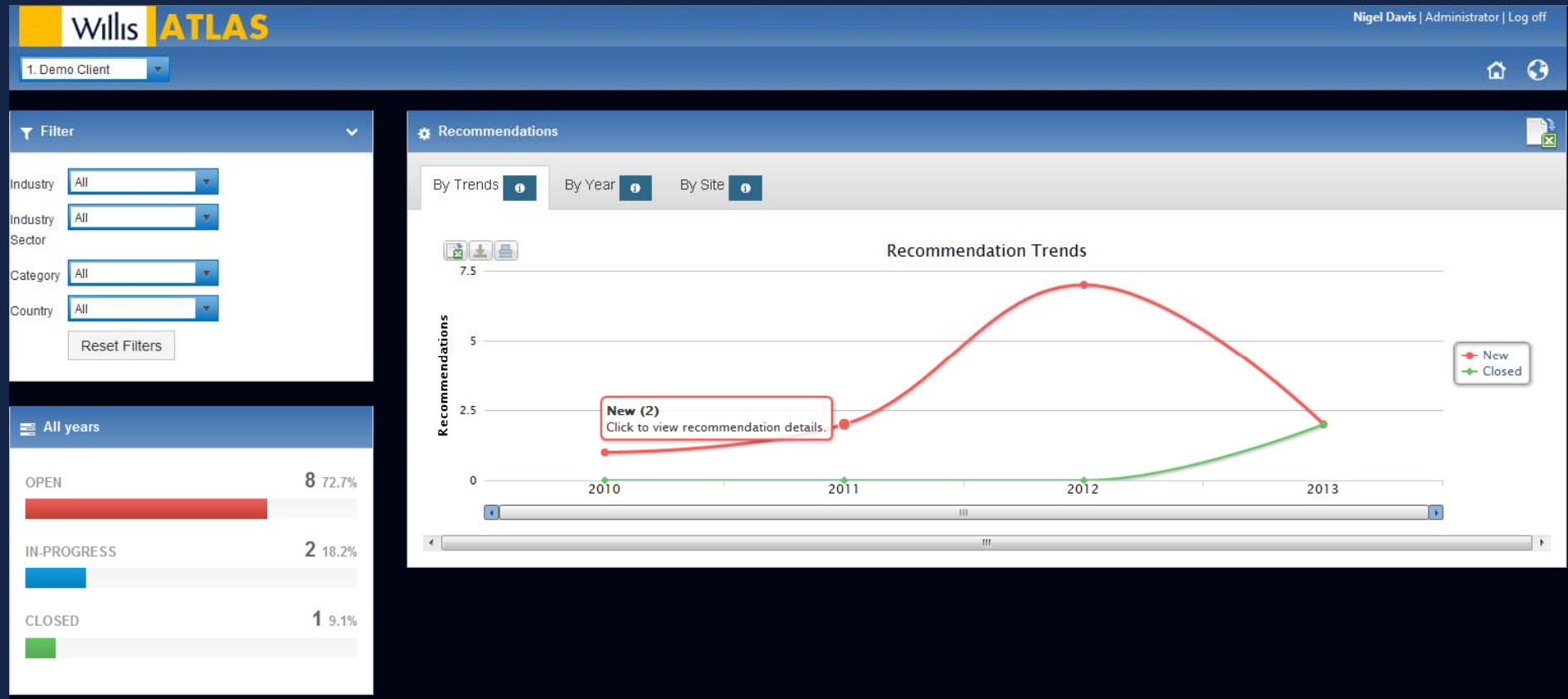
### Tropical Storm

| Cat | Sites | TSI         |
|-----|-------|-------------|
| 1   | 3     | 485,050,000 |
| 3   | 4     | 700,187,453 |

### Tsunami

### Wild Fire

# Site Recommendation Tracking



# Recommendation Details

The screenshot displays the Willis ATLAS web application interface. At the top, the Willis ATLAS logo is on the left, and the user 'Nigel Davis | Administrator | Log off' is on the right. Below the header, the page title is '1. Demo Client - Fukushima - Japan'. The main content area is divided into two columns. The left column contains a 'Filter' section with options for 'By Rating' (High, Medium, Low), 'By Status' (Open, In Progress, Closed), and 'By Date' (Please select...). Below the filter is a 'Recommendation List' table with three entries: 'Management of Change' (Medium priority, Open), 'Waste Handling Contr...' (High priority, Open), and 'Transformer Fire Det...' (High priority, In Progress). The right column shows the 'Recommendation Detail' for the selected item, dated 22 February 2013. It includes an 'Observation Notes' section with text about fire damage risks and lead times, and a 'Recommendations' section with a list of actions to be taken.

Willis ATLAS Nigel Davis | Administrator | Log off

1. Demo Client - Fukushima - Japan

Filter

By Rating High Medium Low

By Status Open In Progress Closed

By Date Please select...

Recommendation List

|   |                         |             |
|---|-------------------------|-------------|
| M | Management of Change    | Open        |
| H | Waste Handling Contr... | Open        |
| H | Transformer Fire Det... | In Progress |

Recommendation Detail

22 February 2013 **H** Transformer Fire Detection & Protection **In Progress**

### Observation Notes

Person Responsible: Troy Jennings

In the event of a significant fire on the generator transformer it is possible that the fire could damage other areas of plant through explosion or oil spills. This is fundamentally down to the fact that neither, the station, or Unit transformers have any fire protection or detection.

The current lead time for a Unit transformer can be as long as 24 months, even longer in some cases. This is due to current market conditions and demand.

### Recommendations

It is recommended that automatic fire protection is installed on both the station and Unit transformers in line with NFPA 850 section 7.8.6.

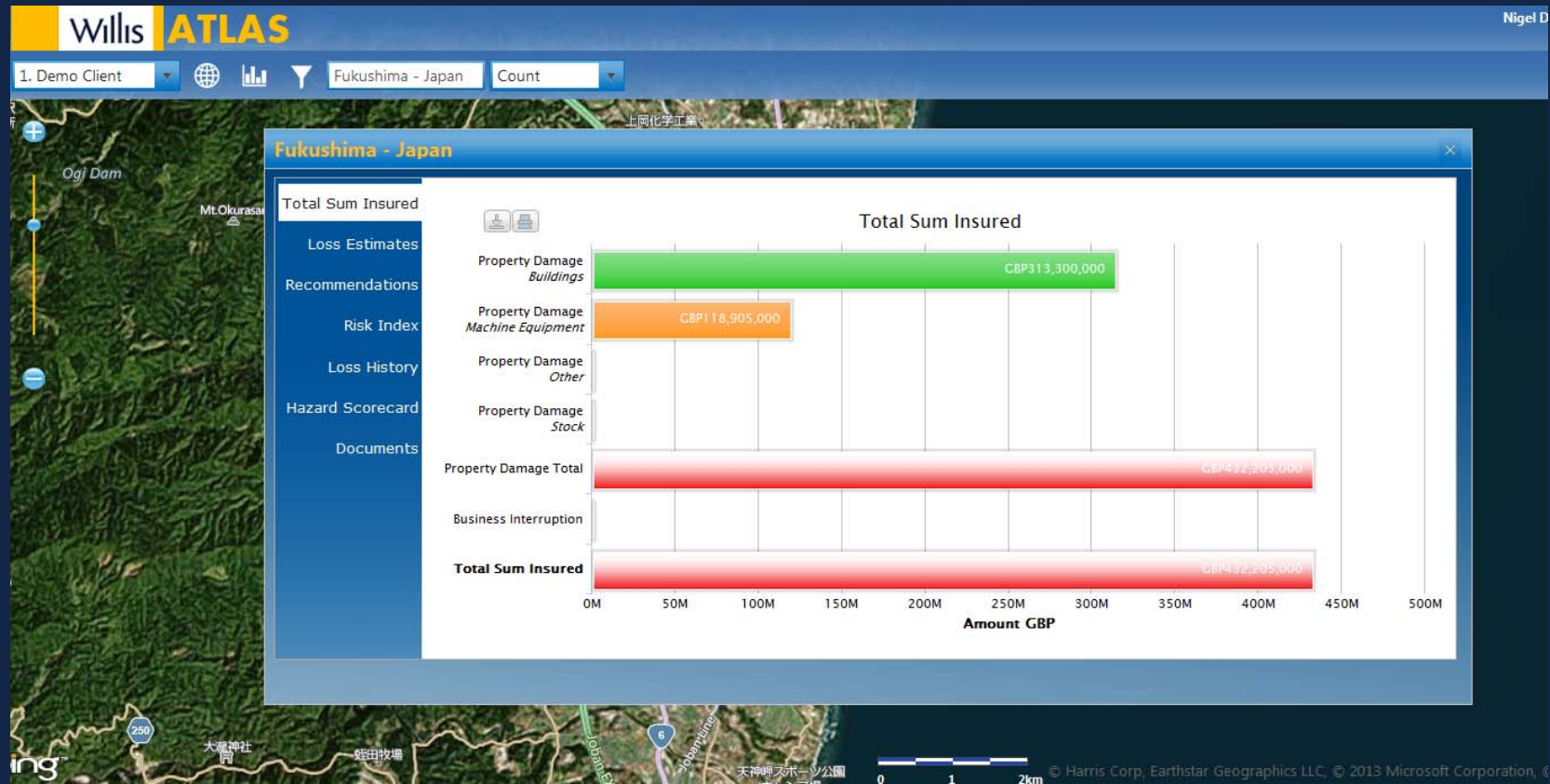
Status: *In Progress*: The client stated:

- Review of existing fire suppression system of the main transformers F3 carried out in connection with review of existing design, ie. the above report, conducted by the accredited party.
- Assessment of need for change in fire suppression system for the F3 and the introduction of fire-extinguishing systems for F1/F2.
- Relocating back to the main transformer (Feasibility study for proposing new placement is ordered by the FXC with FM performed)

# Global Asset View

The screenshot displays the Willis ATLAS web application interface. At the top left, the logo for Willis ATLAS is visible. To the right of the logo, the user's name 'Nigel Davis' and role 'Administrator' are shown, along with a 'Log off' link. Below the header, there is a navigation bar containing a dropdown menu for '1. Demo Client', a search bar labeled 'Site search...', and a 'Count' dropdown. The main area is a satellite-style world map with several green location markers. A popup window titled 'Select a Site' is open over the Japan region, listing two items: 'Supplier - Machine Part...' and 'Fukushima - Japan'. On the right side of the map, there is a vertical toolbar with various icons for navigation and sharing. At the bottom of the map, there is a scale bar (0, 1000, 2000km) and a copyright notice: 'Image courtesy of NASA, © 2013 Microsoft Corporation, © 2010 NAVTEQ Pacific Ocean'. The Esri logo is also present in the bottom right corner of the map area.

# Detailed Site Information



# UN Global Risk Indices



# Supply Chains

