

GIS za luke i pomorski transport

Zadaci GISa

- Poboljšava efikasnost rada luka i transportnih sistema
- Projektovanje luka
- Pomoć pri upravljanju sistemom zaštite okoline
- Upravljanje objektima i sredstvima
- Upravljanje imovinom i zakupom
- Upravljanje sigurnosnim sistemima
- Upravljanje sistemom zaštite
- Praćenje meteoroloških parametara
- Rad luke
 - Lociranje plovnih objekata u realnom vremenu
 - Praćenje plovnih objekata
 - Zauzetost vezova i njihova distribucija
 - Prikaz opasnih kargo transporta

Primjери

- Web bazirani GIS za prikaz i menadžment vodnog transporta. BRNO Češka Republika



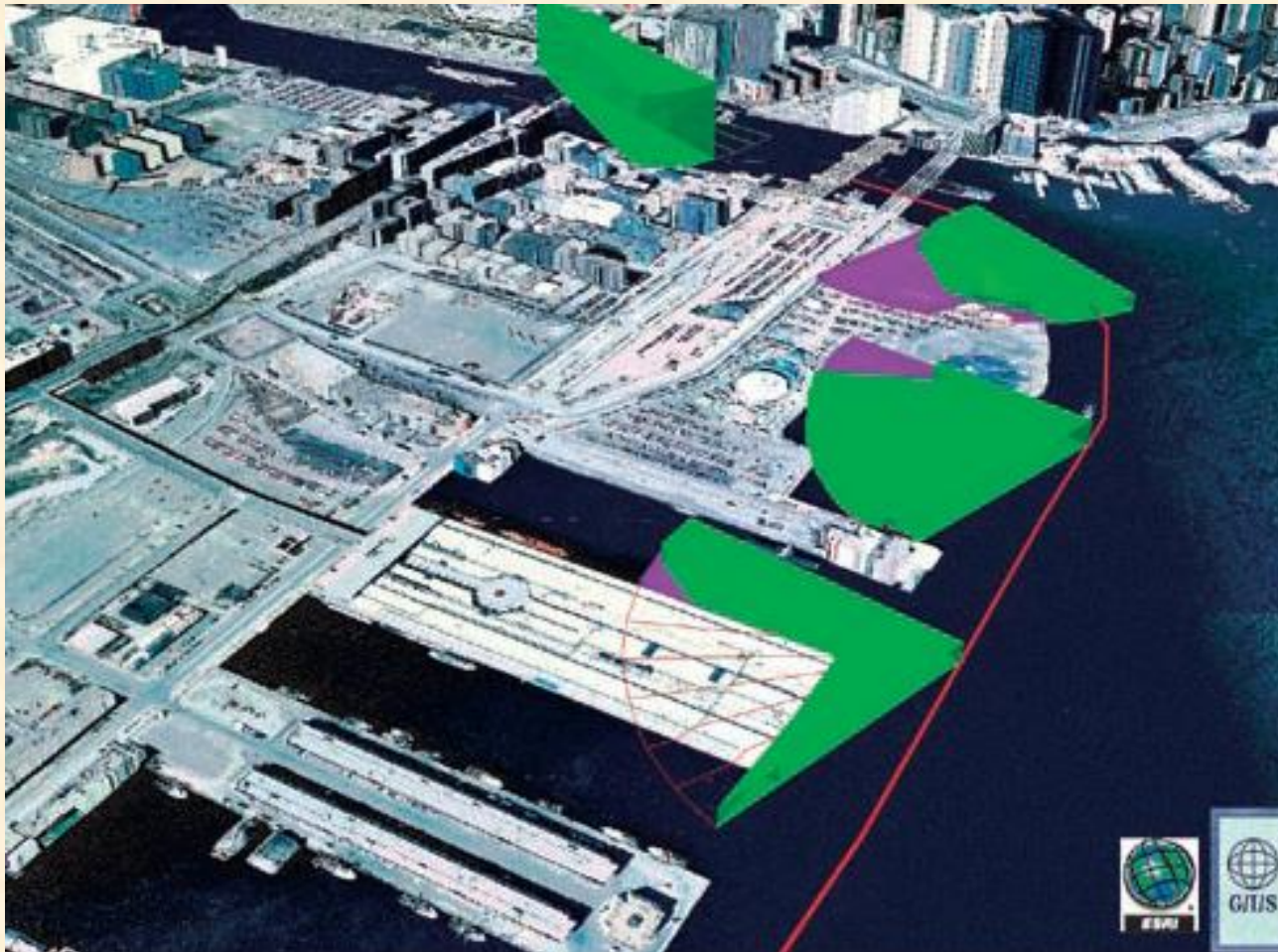
Primjeri...

- GIS locira sve pokretne i nepokretne objekte u jednoj luci. U slučaju pokretnih prati njihovo kretanje.



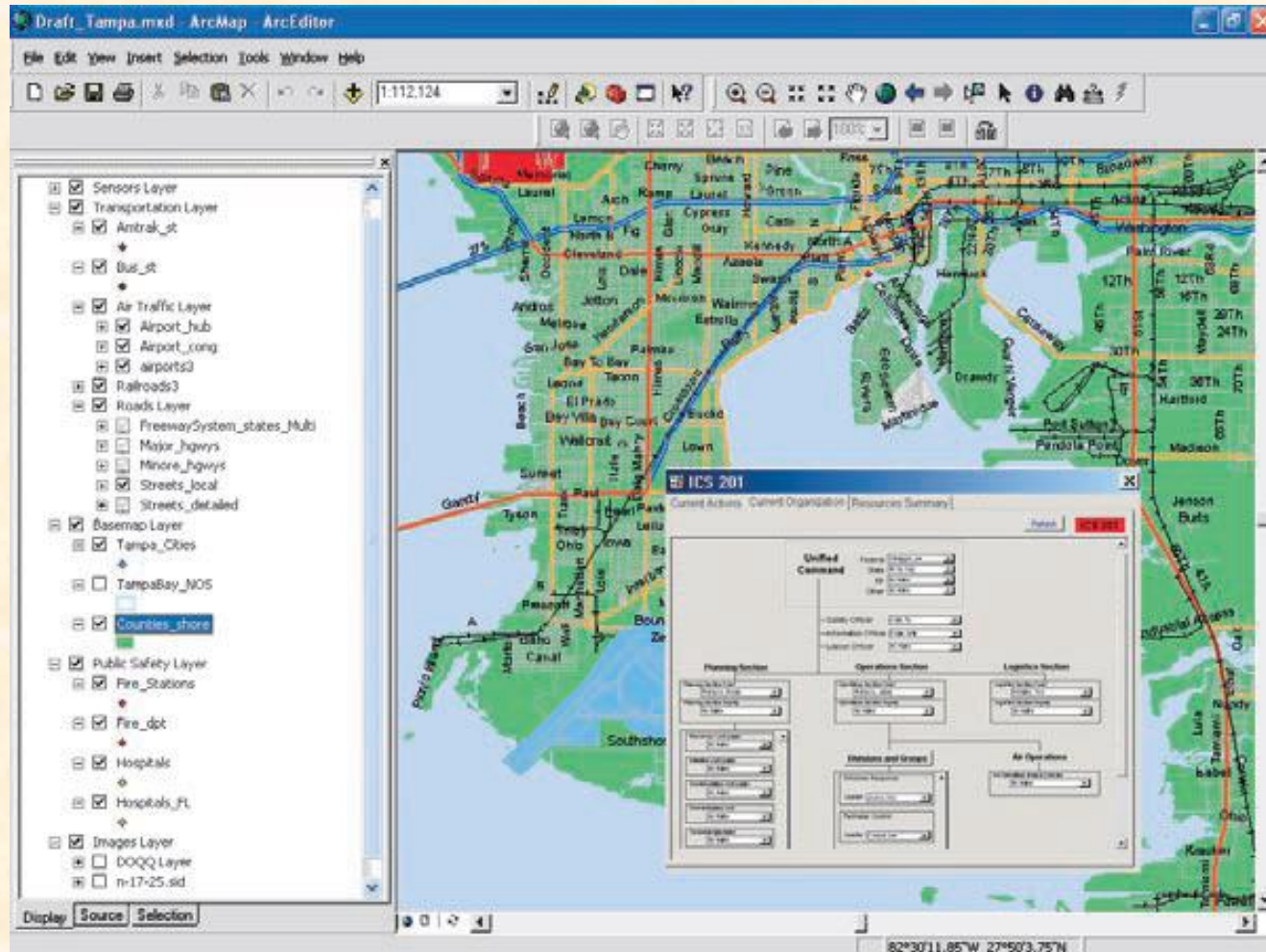
Primjeri...

- Raspored kamera i njihovog vidnog polja. Pomoć pri projektovanju zona pokrivenosti.



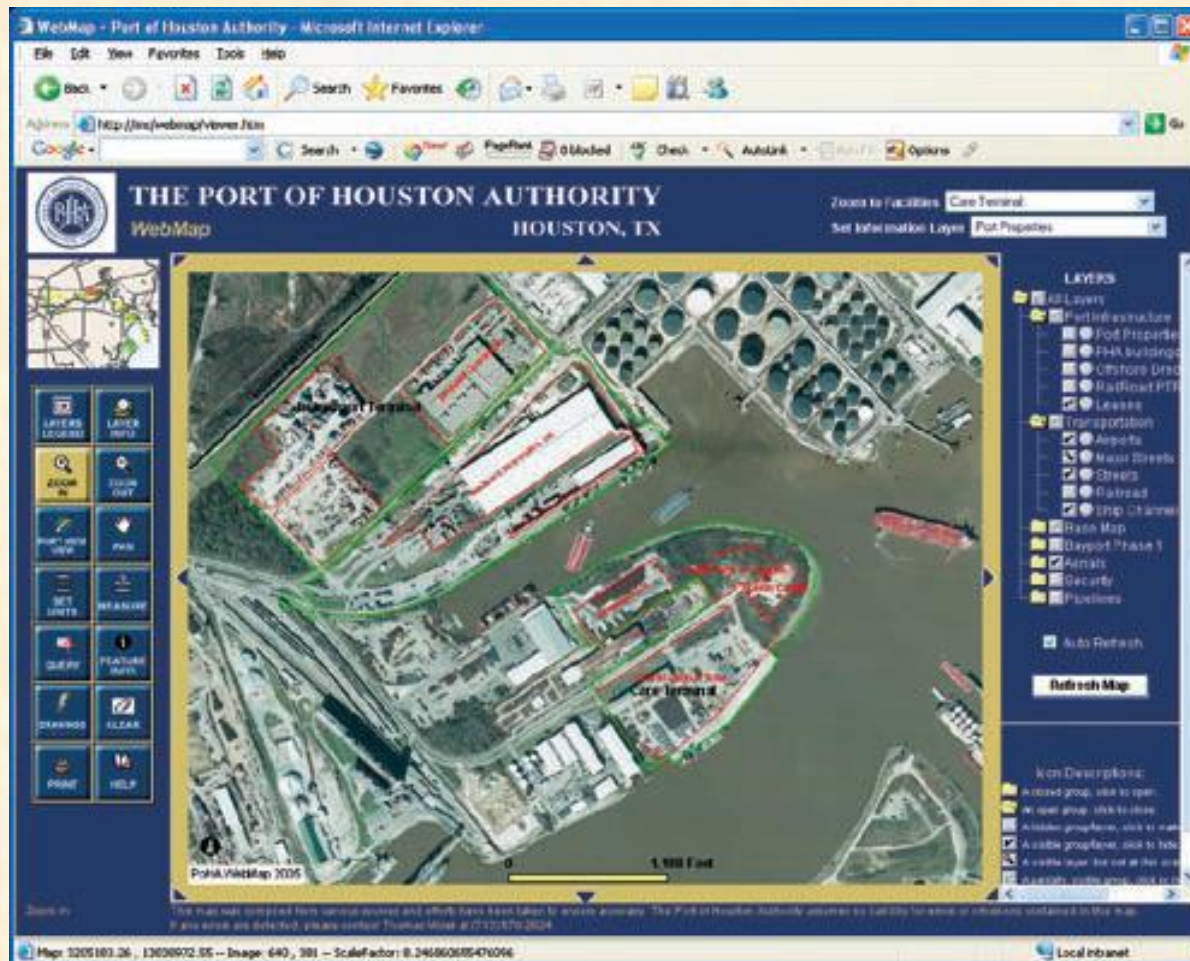
Primjeri...

- Tampa Bay, Florida, komandna struktura u slučaju ekcesnih stanja. Upotreba GISa.



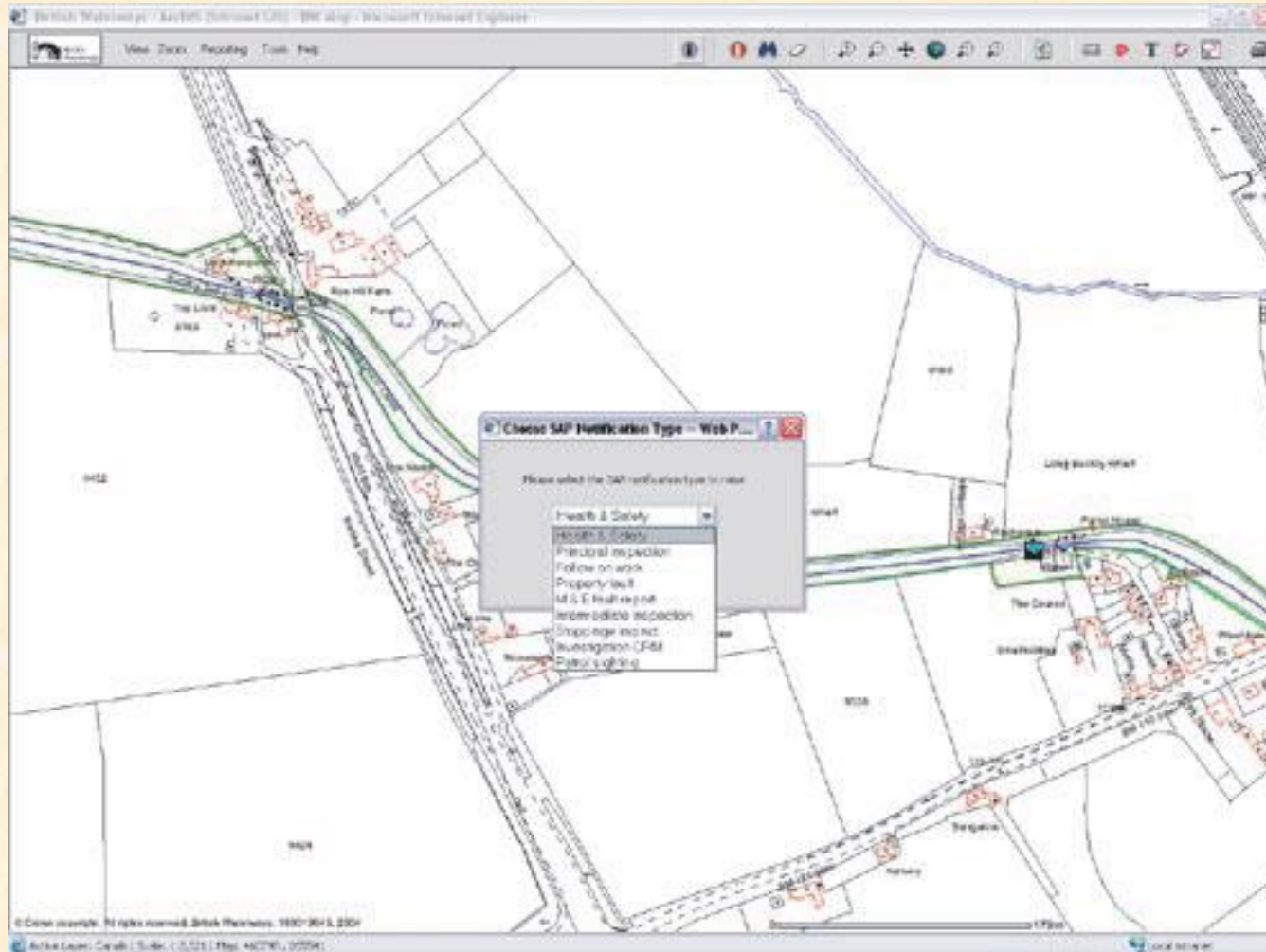
Primjeri...

- The Port of Houston Web-bazirani sistem upravljanje prostorima ili resursima za iznajmljivanje,



Primjeri...

- Primjer GISa u upravljanju saobraćaja kod britanskih kanala.



Primjeri...

- GIS bazirani sistem odluke za poboljšanje rada luka.

The screenshot displays the SIMmetry GIS interface. The top navigation bar includes 'About SIMmetry', 'Home', 'Data/Information', 'Project's Page', 'Operations', 'Emergency Response', and 'Security'. The left sidebar contains a 'Navigation' section with various tools and a 'Layers' section with a tree view showing 'Port of Tampa 3D', 'Tampa Bay 3D', 'Sea Surface', and 'Sea Temperature'. The main area is divided into three panels:

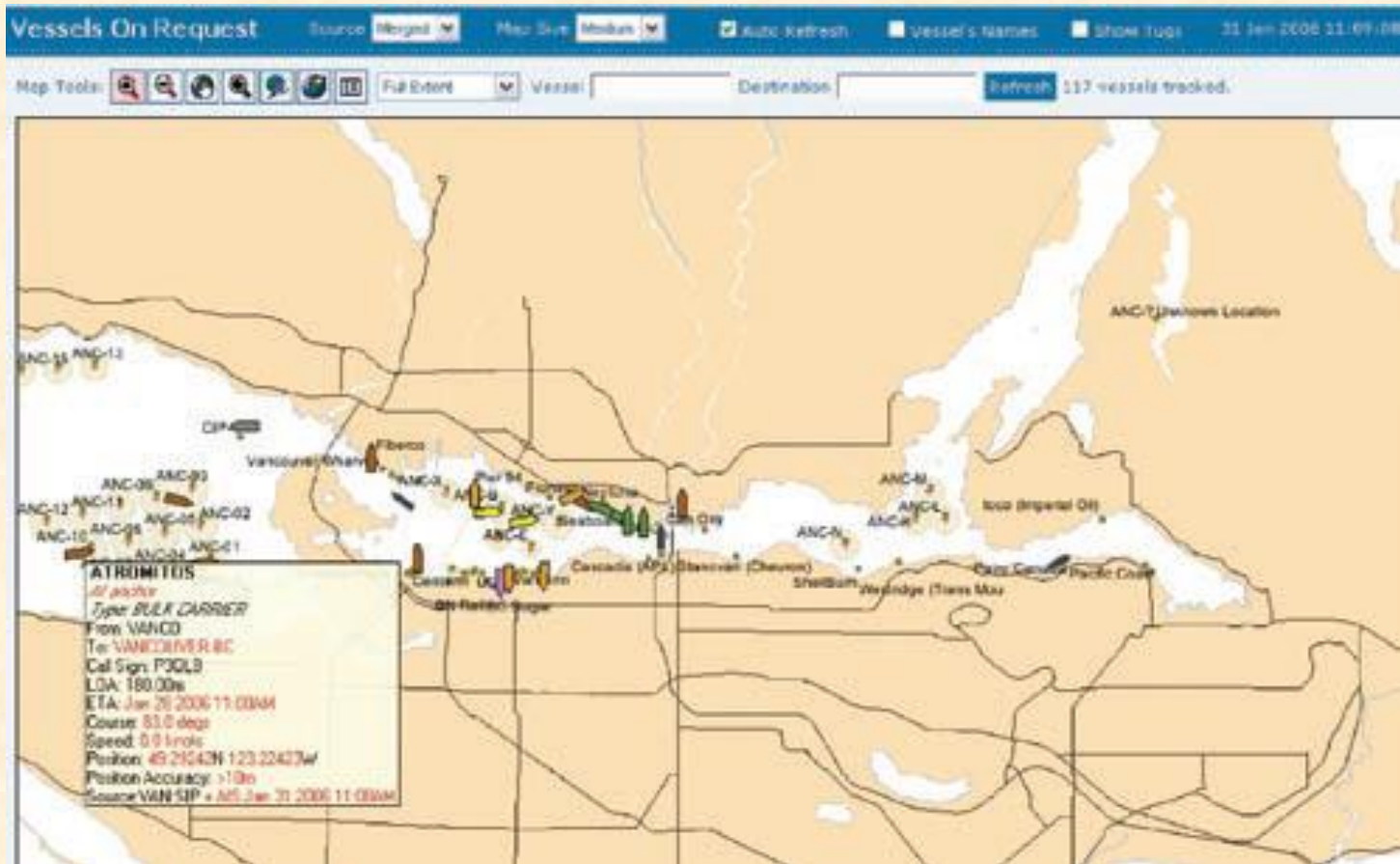
- Top Left:** A 3D aerial view of a port facility with various structures and a blue water body.
- Top Right:** A 3D view of a specific berth area with a red box highlighting a feature.
- Bottom Right:** A 3D view of a berth with a red box highlighting a feature.

In the center, there is a data table with the following columns: ID, Berth #, and Facility Description. The table lists several berths, with BERTH_227 highlighted in yellow.

ID	Berth #	Facility Description
BERTH_227	227	Multi-user dock, leased backland, 10 x 10' piers, one 16" pierline, one 12" pierline, two Bulk Cargo 5" pierlines, tanks, flexible landing, 24 hour and Strip operation.
BERTH_230	230	Taproot towing
BERTH_232	232	Ship Repair
BERTH_226	226	Multi-user dock, leased backland, 10 x 10' piers, one 16" pierline, one 12" pierline, two Bulk Cargo 5" pierlines, tanks, flexible landing, 24 hour and Strip operation.
BERTH_224	224	
BERTH_223	223	Multi-user dock, leased backland, 10 x 10' piers, one 16" pierline, one 12" pierline, two Bulk Cargo 5" pierlines, tanks, flexible landing, 24 hour and Strip operation.

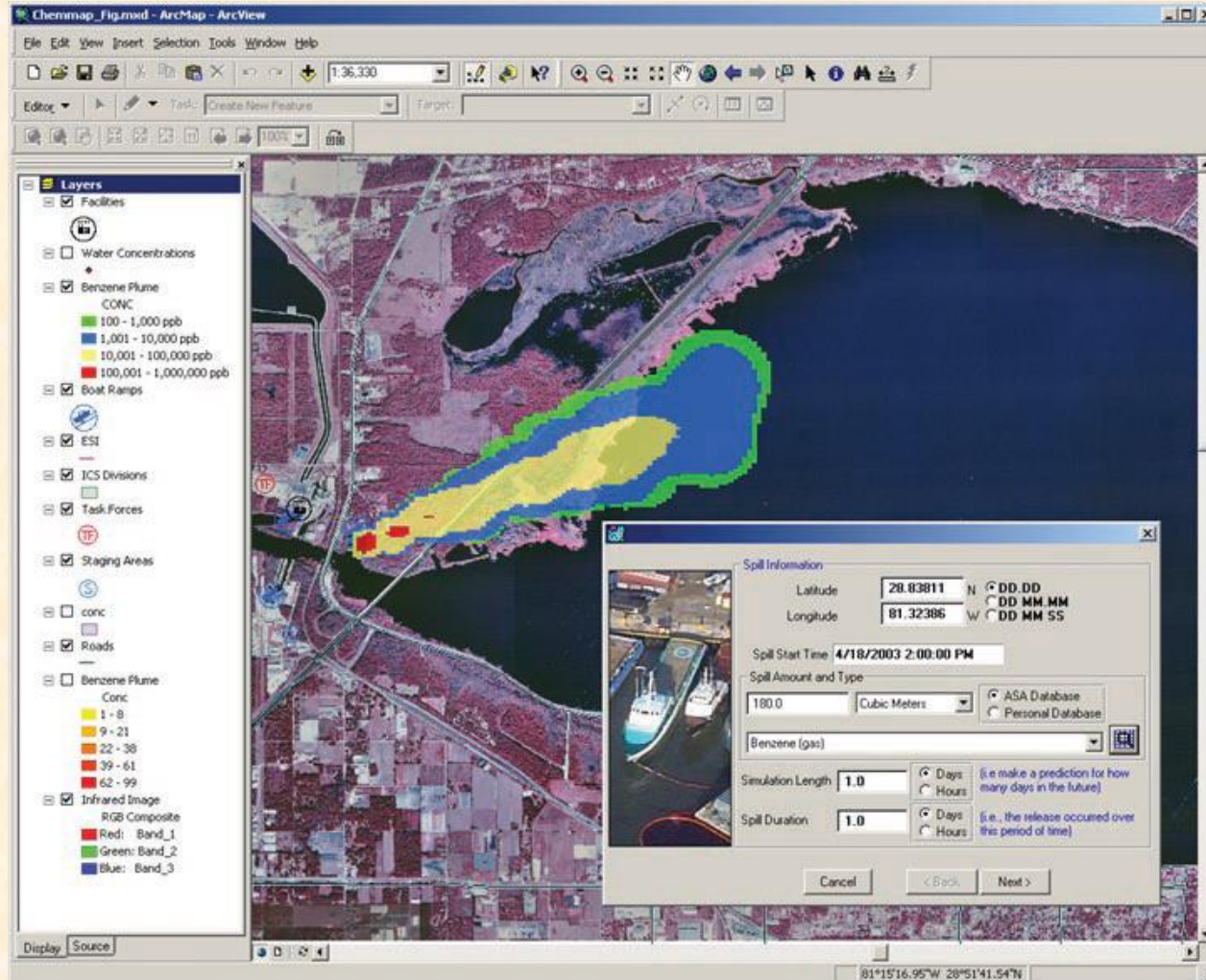
Primjeri...

- Vancouver Port Authority koristi GIS tehnologiju da koordinira sistem za automatsku identifikaciju plovila i dinamičku dodjelu vezova. Lokacija svakog od tipova plovila je data sa njihovim glavnim karakteristikama.. Lučke vlasti koriste ove informacije za tarifu lučkih usluga kao i za najavu opasnih tereta.



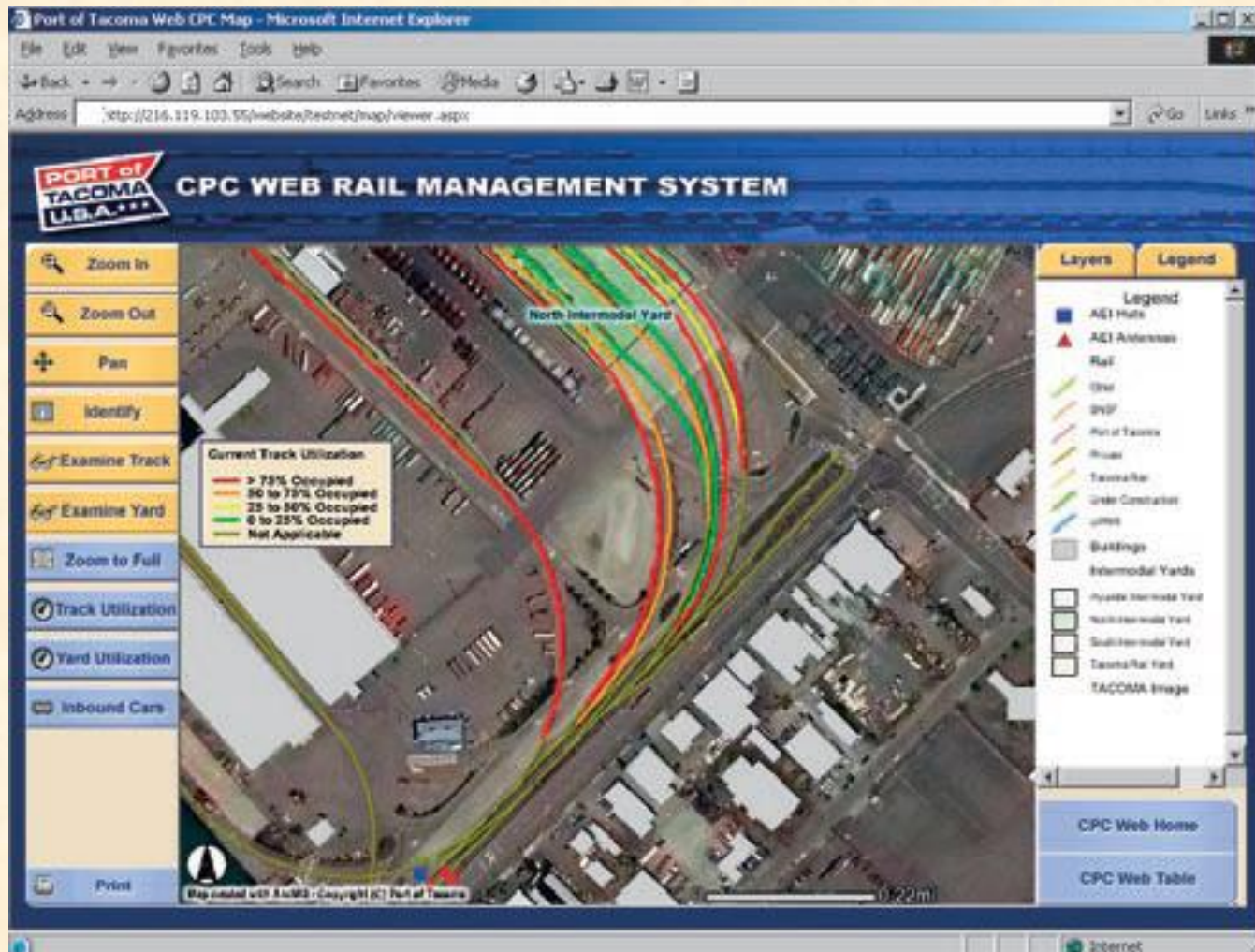
Primjeri...

- Houston, Texas, primjer proračuna i simulacija disperzije opasnog materijala u gasovitom stanju.



Primjeri...

- The Port of Tacoma unutrašnji železnički sistem, kola i kontejneri. Tacoma.



Primjeri...

- The Port of Tacoma, praćenje kontejnerskog transporta u realnom vremenu

