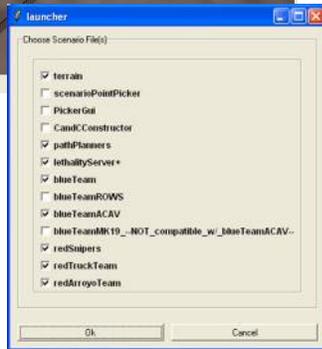
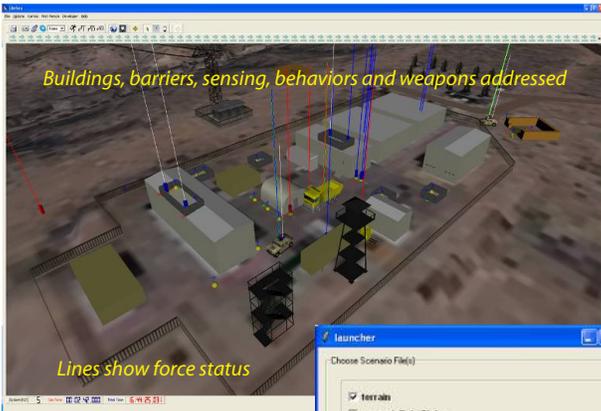


DANTE - Generative Modeling for the Analysis of Human / Technology Systems in Combat

INTERACTIVE SYSTEMS SIMULATION AND ANALYSIS DEPARTMENT

FACT SHEET



DANTE is used to inform decision makers and response forces on the effectiveness of existing and future combat systems.

DANTE supports policy and CONOPS development for national and local decision makers and first responders.

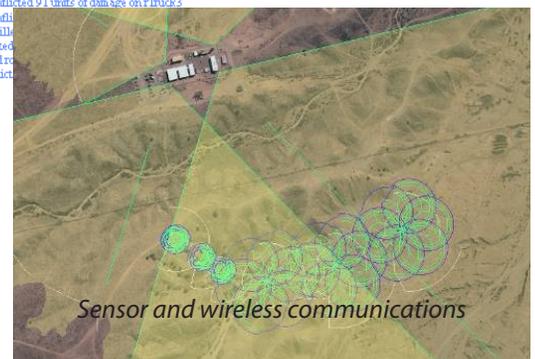
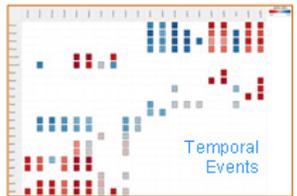
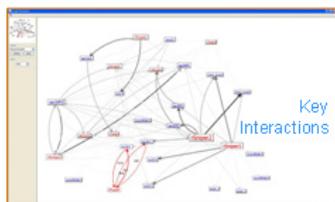
Analysts set up scenarios and run multiple data runs.

This data is used to explore the outcomes / impact from inserting technologies and rearranging / positioning forces (friendly and adversary).

DANTE generates large quantities of stochastic data for:

- Assessments
- Trade-off / "What If" Studies
- Sensitivity analyses

```
t= 0.0 / Fri Dec 08 3:51:06 PM Mountain Standard Time 2006
t= 0.0 / Random seed is 1497693064
t= 33.5 / rSniper2 inflicted 85 units of damage on secEP1
t= 39.5 / rSniper2 inflicted 85 units of damage on secEP1
t= 39.5 / rSniper2 killed secEP1 with 50BMSG
t= 53.5 / rSniper2 inflicted 85 units of damage on secEP2
t= 57.5 / rSniper2 inflicted 85 units of damage on secEP2
t= 57.5 / rSniper2 killed secEP2 with 50BMSG
t= 58.0 / rSniper1 inflicted 51 units of damage on rows_scar1
t= 67.0 / rSniper1 inflicted 60 units of damage on rows_scar2
t= 68.0 / rArroyo3 inflicted 73 units of damage on secWP1
t= 70.5 / rArroyo3 inflicted 73 units of damage on secWP1
t= 70.5 / rArroyo3 killed secWP1 with M16
t= 74.5 / rSniper2 inflicted 86 units of damage on rows_scar2
t= 74.5 / rSniper2 killed rows_scar2 with 50BMSG
t= 79.5 / rArroyo1 inflicted 75 units of damage on secWP2
t= 81.0 / rArroyo3 inflicted 72 units of damage on secWP2
t= 81.0 / rArroyo3 killed secWP2 with M16
t= 81.0 / rArroyo3 inflicted 91 units of damage on rTruck3
```



Post-processing analysis tools give insights into "key" players and events in a scenario

Contact:
 Karen Page
 Phone: 505-844-6320
 Email: kjpage@sandia.gov

