

# SIMULATE 3D PLANTS & TREES EASILY

Plant modeling tool for realtime based environments

REALnat® Premium meets the growing requirements of the simulation industry for populating large realtime databases with massive amount of vegetation without changing an existing workflow.

REALnat Premium offers an automatic multiple Level of Detail (LOD) generator. It provides a fast and easy access to realistic and volumetric plants in a few mouse clicks. The plants are straight generated as an OpenFlight® model ready to use. The plants also come with an embedded skeleton allowing spectacular realtime animations such as wind or «Rotor wash» effects.

- High level of Realism
- OpenFlight® based format
- Easy to use & fast to operate
- Realtime volumetric models
- Geo-specific plant libraries

REALnat 



Image courtesy of Evans & Sutherland

*«Bionatics is truly the leader in providing the state of the art in environmental modelling».*

David «Bart» Bartlett Sr. Manager, Strategic Visualization  
Evans and Sutherland.

**Increase REALISM  
not PRODUCTION TIME!**



## Applications:

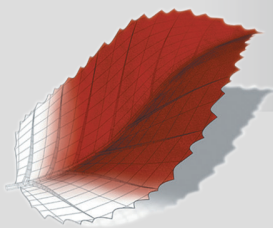
Military Training Simulation  
(tanks, helicopters, jets, vehicles)

Civil Training Simulation  
(trucks, trains, trams, planes)

Urbanism & Civil Engineering  
(roads, highways, bridges, urbanism)

[www.realnat.com](http://www.realnat.com)

# REALnat



## REALnat Premium top 5 features

### Create infinite plant variations

REALnat Premium automatically creates realistic real-time plants and trees from an extensive worldwide library. More than 5 different Geospecific libraries are available from Europe to North America, South Asia or Tropical areas. Their age, seasons and level of quality are processed through swiftly. For each plant, an infinite number of variations of the same plant can be generated.

### Generate automatic level of detail

REALnat Premium automatically generates multiple LODs with resolution varying from simple to complex. The complexity of the LOD levels may be tuned in terms of polygons, texture resolution and switching distance between two LOD's. Once the tuning is set, both plant and LOD node can be exported in Openflight.

### Optimize production workflow

The construction parameters of any LOD can be described and tuned precisely according to the specifications of your graphic engine or your database. You can save a profile which can then be applied to other plants each time. This workflow guarantees substantial amount of time and money saved in production.

### Animate your plants in realtime

Simulate wind, rotor wash effect or a light breeze in realtime! REALnat Premium sends the model with its embedded skeleton. The trees will be animated within your realtime engine or Vega Prime™ using REALnat's Plant Engine™.

### A stand alone software version

REALnat Premium is available as a stand alone version with OpenFlight export format.

### Choose your own geo-specific plant library!

Choose from a variety of libraries: Europe, North America, Asia, Mediterranean region, Tropical, Sub-Tropical...



**Bionatics**   
www.bionatics.com

325 avenue des Orchidées  
34 980 Saint-Clément de Rivière,  
Tél : +33 499 614 680,  
Fax : +33 499 614 689  
Contact: sales@blueberry3D.com  
www.bionatics.com

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