



Increase realism  
not production time!

**REALnat**<sup>®</sup>  
*Premium*

The plant modeling tool for realtime military and civil training simulation.



*REALnat Premium for Creator™ meets the growing requirements of the simulation industry by populating realtime environments with huge vegetation databases straight into your MultiGen® Creator™ based workflow.*

*REALnat Premium for Creator offers a fully 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 generated straight into MultiGen Creator with their ready to use LOD node. The plants come with an embedded skeleton allowing spectacular realtime animations such as wind or "Rotor wash" effects.*



Image courtesy of Evans & Sutherland

- Increased realism
- Integrated into MultiGen® Creator™
- Easy to use
- Realtime volumetric shapes
- Worldwide geospecific plant libraries

*"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.*

*"This collaborative relationship with Bionatics will allow us to extend and strengthen our support of the visual simulation industry by providing our customers with the ability to add increased realism through Bionatics plant technology."  
Sandeep Divekar, President and CEO of MultiGen-Paradigm*



Image courtesy of OKTAL

**Applications:**

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

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

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

Any MultiGen Creator based environment



**REALnat**  
Premium

## REALnat Premium top 5 features

### Infinite models of plants

REALnat automatically creates simple real-time oriented 3D plants and trees. Up to 300 species can be selected from our catalogue. Their exact age, season, number of models are processed through swiftly. Once these basic parameters are set, an infinite number of variations of the same plant can be generated.

### 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 are generated straight into MultiGen® Creator™

### LOD template genelator

The construction parameters of any LOD can be described and tuned precisely according to the specifications of your MultiGen Creator based application. You can save a profile which can then be applied to other plants. This guarantees a substantial amount of time and money saved in production.

### Realtime animation (option)

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

### A MultiGen® Creator™ plug-in

REALnat Premium for Creator is a MultiGen Creator dedicated plug-in, optimized for MultiGen-Paradigm technologies & tools. It is exclusively available for MultiGen Creator licensees.

MultiGen  
**Creator**



Image courtesy of MAK Technologies

### Choose your geo-specific plant library!

REALnat Premium for Creator is sold with a geo-specific pre-set plant database chosen from a variety of libraries (Europe, North America, Asia, Mediterranean region). The names of the plants are displayed in english or in latin / scientific name.

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