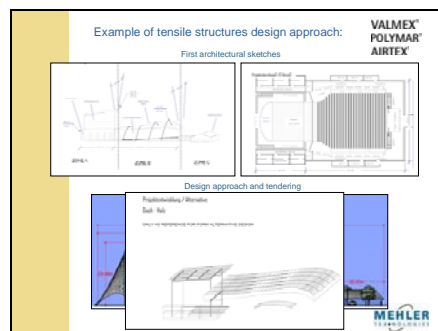


Folie 1

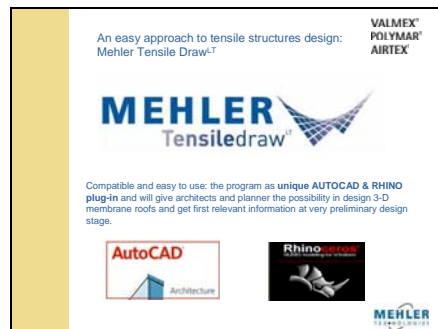


Folie 2



(Greetings).... Due to all efforts, Tensile Structures becomes more and more a “standard” in Architecture. But due to the high level of know how, in many occasions, architects and designer are limited by the available grade of information and are not able to develop and concretize their ideas in a presentable way. This limitation is given also by the practical availability of work tools may lead to recur to other solution..

Folie 3

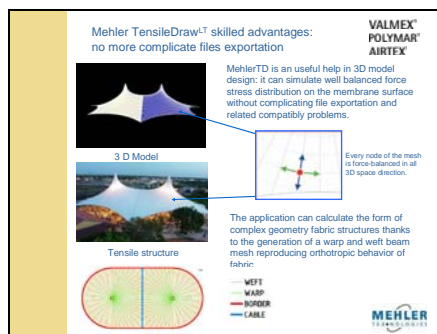


Mehler Tensile Draw represent a valid support to architects and planner willing in approach design of tensile structures. Mehler Tensile Draw is a fully ccompatible and easy to use software. It works as unique AUTOCAD & RHINO plug-in and will give architects and planner the possibility in design 3-D membrane roofs and get first relevant information at very preliminary design stage.

Folie 4

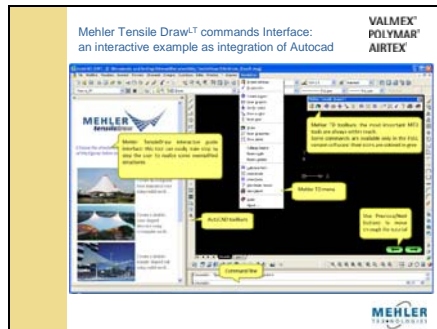


Folie 5



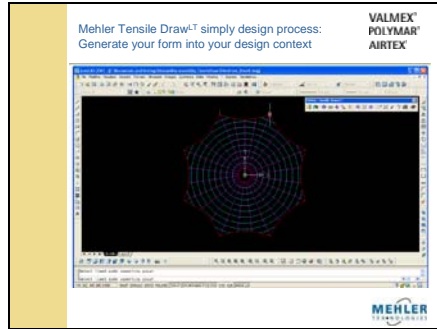
The software generate a mesh based on a given perimeter line. By crating the form, every node of the mesh is force-balanced in all 3D space direction. As integration of Autocad and Rhino, the software allows any standard function of those programs, including import, export, rendering and any other possible operation in full compatibility.

Folie 6



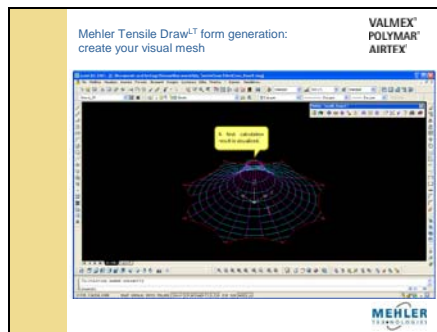
A view of the integrated command bar. There is the possibility in choose an interactive guideline based on standard forms (cone, arch, ecc.). The guideline is also available as pdf printable manual.

Folie 7



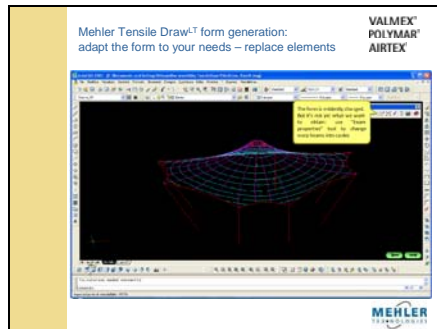
An example of design: 2D geometry and radial mesh orientation

Folie 8



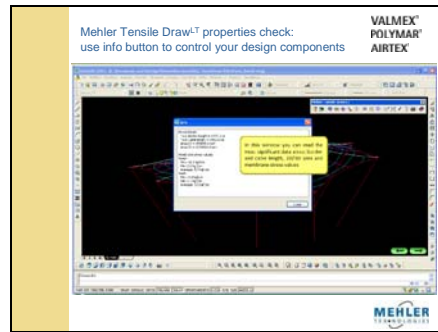
The same geometry, now generated 3D form

Folie 9



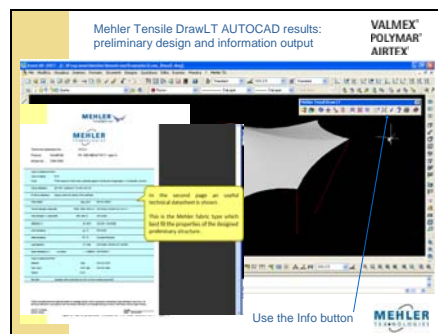
The 3D form adjusted to the effective 3D geometry need (masterplan geometry)

Folie 10



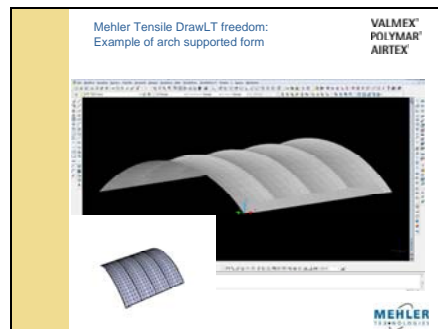
Use of the intermediate help window. The designer can anytime check surface size, prestress value in material, perimeter length and coordinates

Folie 11



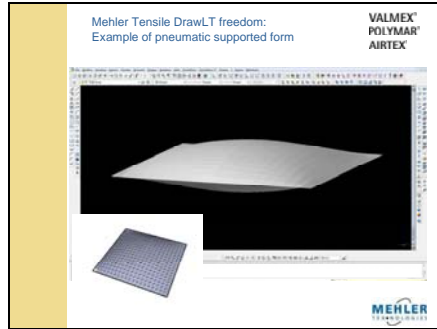
Using the info button a report can be printed out. This indicates the 3D surface size, perimeter length and prestress. At the same time is proposing a certain type of material including a copy of the datasheet.

Folie 12



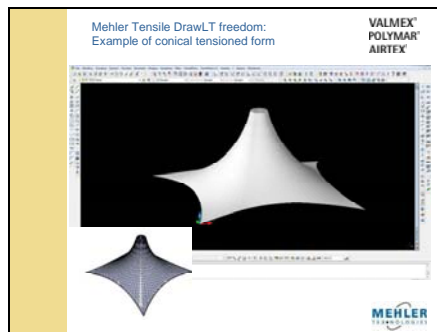
Interactive example of design: arch supported surface (perimeter, mesh, formfinding, rendering)

Folie 13



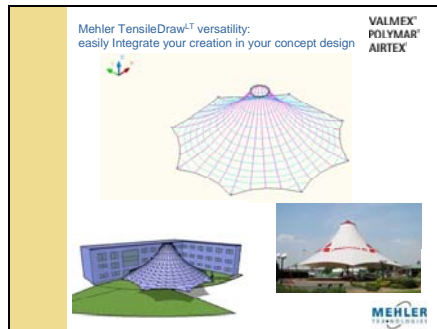
Interactive example of design:
pneumatically supported surface
double layered (perimeter, mesh,
formfinding, rendering)

Folie 14



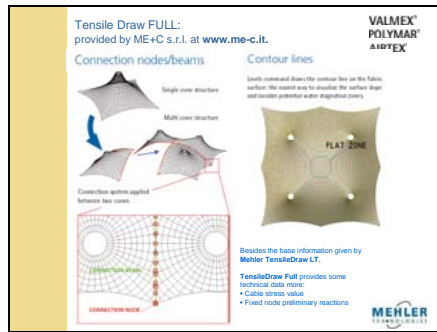
Interactive example of design:
highpoint single cone (perimeter,
mesh, formfinding, rendering)

Folie 15



Examples of integration and
exportation of generated forms into
other application (sketch up)

Folie 16



Tensile Draw full. Additional functions like combination of several forms, ponding areas control, cable stress and fixed nodes preliminary reaction. Also, the limitation to 400 nodes per file is eliminated. The full version is available on developers web page

Folie 17



Where to get Tensile Draw: The software, some videos, tutorials and manuals are available on Mehler web page. After registration any user is able to access the database and download the software and successive actualizations.

Folie 18



An additional support for architects and planner, the Mehler Technologies Guideline to tensile architecture. The document available also to download is containing general information on several arguments around tensile structures, from material to design, manufacture to installation as well as principle indication on physical properties about tensile coverings.

Folie 19

