CONSTRAINT MODELING METHOD

Plugin for a spreadsheet to facilitate the use of 3D modeling tools
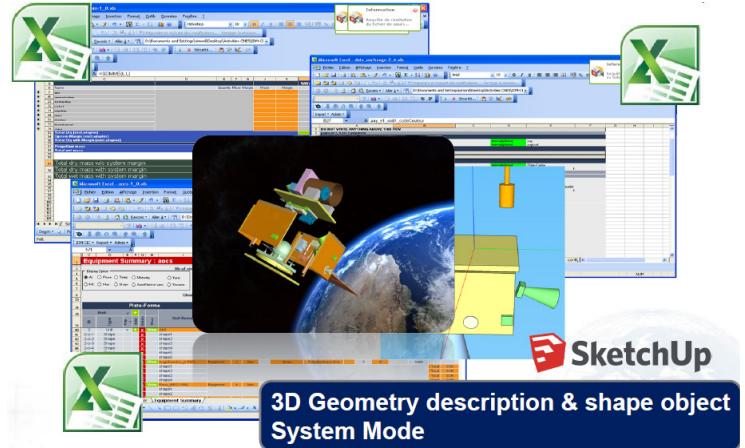

3D Geometry description & shape object
System Mode

Technological benefits

Ease of use
- Spreadsheet can be used as the main tool of construction design work
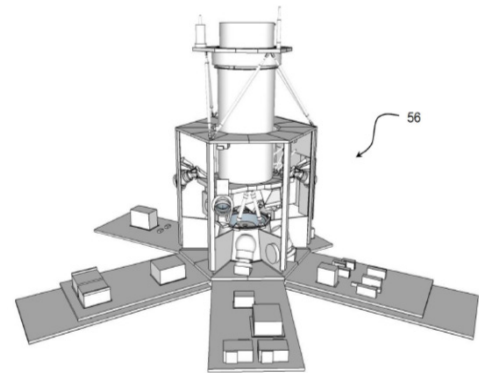
Real-time editing
- Changes in certain characteristics lead to the modification of the characteristics associated with these ones in real time

Invention overview

The present invention is an extension module for a spreadsheet, configured to:
- provide tools to manage a construction model
- bind some of the properties to a cell
- transmit real-time or almost real-time model changes to update the display.

Commercial benefits

Better management of resources
-The software takes into account data related to the basic geometry. Thus the elements such as the energy consumed are controlled

Potential applications

Aerospace
-Design of satellites

Naval
-Design of boats

Architecture
-Structural design

TRL : 6-7
Property 100% CNES
Patent filed with X2i

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Applications and valorization of space technologies
for industry