Atmos Plus x Atmos Pro x Atmos LE

compare functions and notes (rev. March 29, 2016)
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1. Functions

function	Atmos LE X1	Atmos Pro X1	Atmos Plus X1
LPS of buildings, houses, industrial buildings, etc	X (dimensions limited)	X	X
LPS for open areas, parking lots, sports courts		X	X
LPS for isolated structures		X	X
Verification of protection around the structure (sidewalks, another structure)		X	X
Additional LPS (boats, trees, solar energy, etc)			X (implementing [1])
use rebars, metallic structure and roof	X	X	X
Basic risk assessment from NFPA 780:2014 and NBR 5419:2005	X	X	X
Complete risk assessment from NBR 5419:2015, IEC 62305:2010 e NFPA 780:2014	X (life risks)	X (life and service risks)	X (Life, service, cultural and economical)
Zones	1	2	16
Service lines	2	2	16
Templates for zones and service lines			X (implementing [1])
maps of lightning incidence		X	X
Additional protection level			X [2]
Safety distances and risk of side flash			X (adding new ones [1])
Maintenance, visits and inspection reports			X (implementing [1])
materials list with costs	X	X	X
Comparative analysis of different options for protection			X
Editable materials database	X	X	X
materials data-sheet			X
text and chart reports	X	X	X
Export to txt and jpg	X	X	X
export to .XLS		X	X
PDF reports			X
Includes one year upgrades and support, renewable	X	X	X
e-book "Proteção Contra Descargas Atmosféricas"	X (in translation [3])	X (in translation [3])	X (in translation [3])
multi-user version (same network)			X (implementing [4])

(1) - new functions / capabilities are being implemented.

(2) - it's possible to make your own "standard", changing the sphere radius and several parameters.

(3) - we are translating and revising the book to include the complete risk assessment .

(4) - multi-user version with cost calculated by the number of simultaneous users at the same network - ask for prices.

Notes:

- All the calculations of **Atmos LE**, **Pro** and **Plus** are numerical, with no use of graphical trial and error: Atmos calculats the best option in terms of cost and time to build for number and location of air terminals, with no need to position them manually like in CAD solutions - our algorithms have been in constant evolution for more than 25 years.

- No software is guaranteed 100% bug proof; we do our best to eliminate any known error, but the project responsibility remains with the user - if you find any strange result or unexpected behavior, please call our support.

- The software is locked to one computer for each license, but more than one person can use it (no hard-lock needed).

- License purchase includes one year of support and upgrades (including major versions); at the end of one year, the program continues to run indefinitely without any limitation but, to get support and new upgrades, you'll need to renew the annual contract, the cost is 20% of the license price (at renew date) if purchased up to one year after the previous ended - after one year, the cost is 40% of the license.

2. Objectives and uses

2.1 - Atmos LE

Atmos LE - or **L**earning **E**dition - is intended to be used for learning or review of LPS project concepts. The program is a reduced version of Atmos, including the e-book "Proteçăo Contra Descargas Atmosféricas" (Protection Against Atmospheric Discharges, currently being revised and translated), accessed from inside the software.

As the **LE** version does only some of the models (structures, buildings) and has limitations of dimensions and risk assessment, it's not recommended for real projects, that's work for the professional versions **Plus** and **Pro**! That said, it is possible to use it for your house or a small building, but, obviously, without the options and flexibility of **Atmos Pro** e **Plus**.

2.2 - Atmos Pro

The **Pro** versions can be used for LPS projects of any size (residential, comercial and industrial buildings, open areas and several others), to verify the protection offered by one building to its surroundings and for some safety distance cases.

For the risk assessment calculations, **Atmos Pro** uses up to 2 zones and 2 service lines, being adequate for NFPA risks - that use only one zone - but, if you want to perform some comparative analysis between different solutions, you'll need to do that manually.

2.3 - Atmos Plus

Atmos Plus has all the functions of version **Pro** and then some, and also the risk assessment for cultural and economical analysis. You can also have up to 16 zones and 16 service lines: of course your building do not have 16 service lines, but you'll need one for the unprotected energy line, another for the same energy line with level IV protection, another for level III and so on, and several combinations of zones and service lines to compare different Options (protection and costs) for the building.

Besides the zones and services numbers, the real '**Plus**' is the extensive cost and performance analysis you can get when comparing these Options, so your project will have the optimal solution!

For reporting, the PDF report has the flexibility to include one or several or all calculations you've done - for a complete project with three zones, Options costs and risk analysis, and materials list, you can get up to a 50 page PDF (see the tutorials available at our site).

To make things easier, for the next upgrade (remember, you have one year of free upgrades) we're implementing templates to be reused, so you won't have to select again every component of LPS when working with similar cases like, for example, a residential building made of concrete or an industrial building with metallic roof.

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