

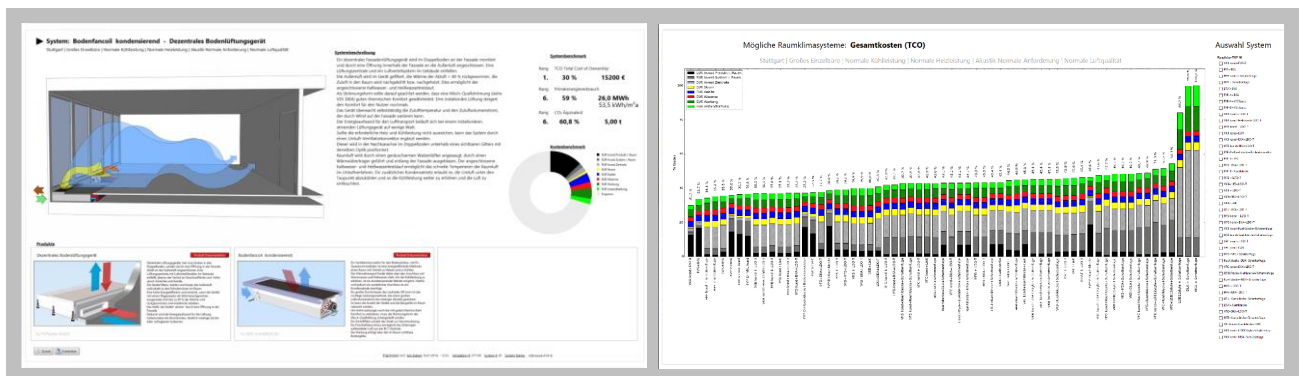
Stuttgart, 12 March 2019

## LTG System Finder: The guide to an ideal solution for air conditioning

The new software tool "LTG System Finder" of LTG Aktiengesellschaft points the way towards optimal air conditioning solutions. The System Finder considers the architectural data, the location, the heating and cooling loads, the requirements to ventilation and exhaust, the required acoustic quality, demands to air conditioning comfort and many other tasks. Based on this information, the tool optimises 80 various air conditioning concepts for best total cost of ownership.

This is made possible by combining various physical model calculations, considering common standards and directives, and designing real ventilation components in a unique simulation environment for the first time. The lowest overall costs are determined by particle swarm optimisation (PSO), an evolutionary optimisation algorithm.

As a result, the tool supplies an informative view of investment and secondary costs, the power and space demands and other values. This permits easy identification of the solution with the lowest investment and operating costs. In addition to the bar chart for a comparative overview or ranking, the System Finder also generates more than 300,000 profiles for various systems with custom designs, including parameters for individual products that present the functional principle, components, investment costs, energy consumption and CO<sub>2</sub> equivalent.



You can download printable images via this [link](#).

*The company:*

*LTG was founded in 1924 by Dr. Albert Klein. The first company specialized in HVAC products in Europe is still representing innovation, quality and dependability in all areas of air related technology.*

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