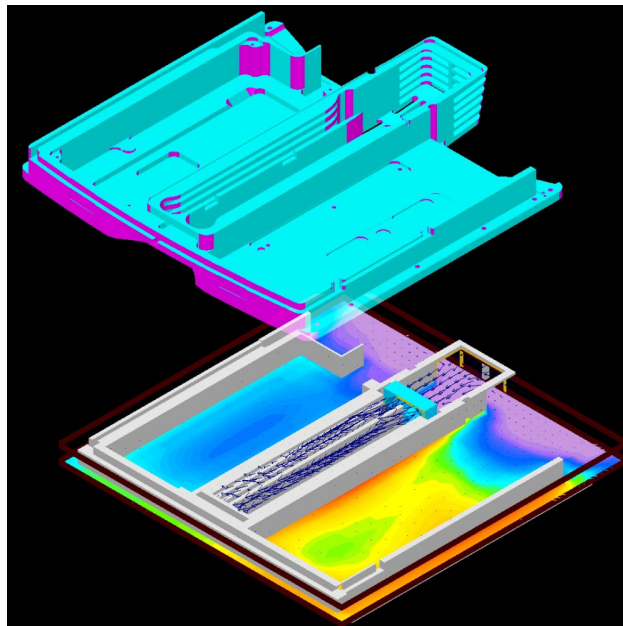


**\* PRESS INFORMATION \* PRESS INFORMATION \***

## **FLOMERICS DEVELOPS “INTELLIGENT INTEGRATION” BETWEEN THERMAL ANALYSIS AND MCAD SOFTWARE**

Flotherm version 4.2 - the latest release of Flomerics' market-leading thermal analysis software for electronic equipment - enables parts and assemblies from mechanical design (MCAD) software such as Pro/ENGINEER and Solidworks to be imported directly in their native file formats, then simplified and transferred to Flotherm for thermal analysis.

A high-resolution version of this image can be requested from: [yussef.khamnei@flomerics.co.uk](mailto:yussef.khamnei@flomerics.co.uk)



"Intelligent integration" - the internal geometry of this power amplifier chassis is automatically simplified for speedy thermal analysis using Flo/MCAD, part of the latest release of the Flotherm thermal analysis software from Flomerics. Images courtesy of Linn Products."

“We call this approach “Intelligent Integration”, because it recognizes that connecting thermal analysis to mainstream mechanical design software involves more than simply transferring geometry”, says Dr Mike Reynell, Flomerics’ Director of Marketing. “A full-blown solid model of a typical electronic assembly contains thousands of geometrical details which have absolutely no effect on thermal performance. Including all these details in the thermal analysis makes it a slow, complicated process. The new Flo/MCAD module in Flotherm 4.2 removes unnecessary geometrical detail automatically, and creates a simplified “thermal equivalent” model which runs rapidly through thermal analysis, enabling the design engineer to explore many different solutions in the time taken to analyse one the old-fashioned way.”

Flo/MCAD v4.2 uses the latest translator software from TTF - a French company specializing in interoperability between CAD systems - to provide direct import of MCAD data files in their native format. Direct interfacing removes the need to export files from the MCAD software, eliminates the risk of geometry corruption, and maintains full data associativity between MCAD and thermal analysis software tools. Flo/MCAD also has bi-directional data-transfer capabilities, so that after thermal design is optimised, the revised geometry can be exported back to the MCAD software.

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Mike would be delighted to:

- Arrange interviews with Flomerics
- Arrange demonstrations
- Prepare articles
- Forward soft copies of this release

Flomerics Group plc was formed in 1988, and is a world-leading player in the rapidly-expanding field of "virtual prototyping" - the provision of software enabling engineers to test virtual models of their equipment on a computer before building physical prototypes. Flomerics' business model, "Design-Class Analysis", is drastically different from traditional analysis. Design-Class Analysis focuses on real engineering design problems, and selects the appropriate analysis techniques to solve them as quickly and simply as possible. Flomerics is currently focused on three main technical areas and markets: a) thermal management of electronics; b) electromagnetic design for electronic, antenna and microwave devices; and c) heating and ventilating of buildings.