

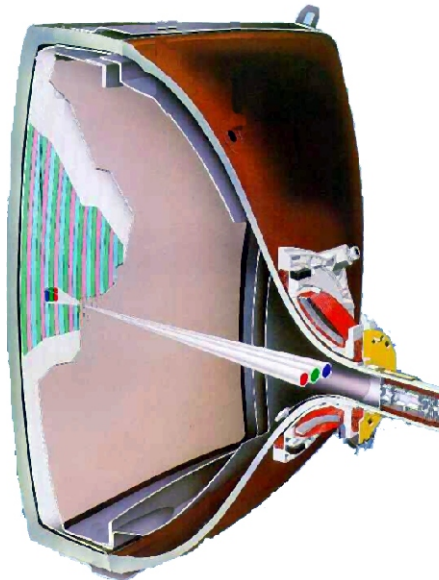


Thomson Displays Italy: Technological Excellence

Thomson Displays Italy

TDI is part of Thomson, the French multinational active in the communications and home entertainment markets. The group manages end-to-end services, sells equipment, products and systems, and provides advanced technology to its clients. The objective is to assist customers in achieving their goals and to optimise their performance in a technological environment that is undergoing continuous development. Thanks to its own experience and now-how, Thomson is able to offer complete services and solutions to all those companies operating in mass media, through its diversified brands that include Technicolor, Grass Valley, RCA and THOMSON.

The group is present in North America, Europe and Asia, working in 30 different countries with net income Euro 8.5 million in 2003 and 59,000 employees world wide, 30% of whom are in Europe.



Research and Development

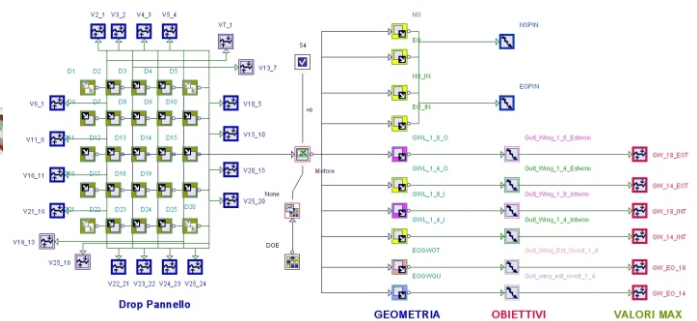
Thomson boasts unique experience in television and video technologies, tools that are much more complex to manage than are data or audio technologies

Thomson's Research and Development is mainly focused on flat screens of all sizes, the company being the first to launch the new 16:9 format with 60 and 70 centimetre screens.



Using modeFRONTIER in design

modeFRONTIER has demonstrated, and is demonstrating how it can be applied in TDI to a wide range of cases: optimization of existing procedures formalised using spread sheets, in combination with Matlab and models developed in ANSYS, the interpolation of experimental data and the set up of optimization processes within hours to identify the best performances in terms of screen brightness, flatness and tolerances, documenting the data simply and immediately. With modeFRONTIER, problems such as the optimization of costs and performance of small components mounted on the screen as a function of supply tolerances has become a practical proposition and has been incorporated into the wider context of multi-objective optimization.



Why modeFRONTIER in Thomson Display Italy

"We were able to evaluate modeFRONTIER thanks to a pilot project" says Pedro Cosma, Thomson's Technical Manager. "The result were really exciting: we were able evaluate a number of design alternatives very fast, and to chose the best in terms of the objectives and limitations we had set ourselves. It's a very easy tool to use, its very powerful and interfaces immediately with our software. In my opinion, modeFRONTIER is the best Information Technology tool to invest in. We have estimated a return on investment of less that six months, even without an intensive use of it we've also estimated it will enable us to offer our customers new products in the time and with the means that the market demands. EnginSoft," concludes Pedro Cosma "has supported us in an exemplary fashion with its own very professional and skilled people during the training and technology implementation phases."