

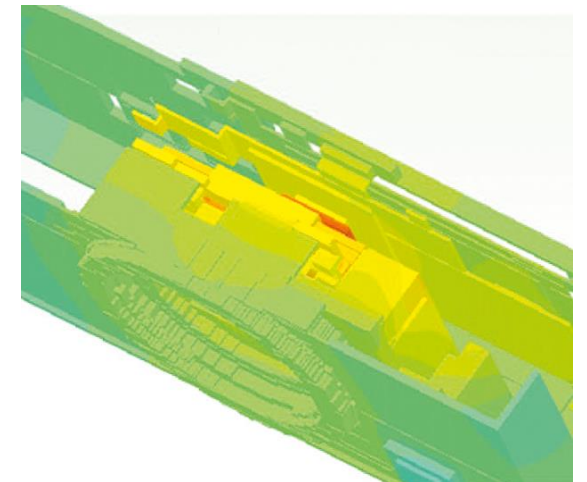
Fujifilm, Tokyo

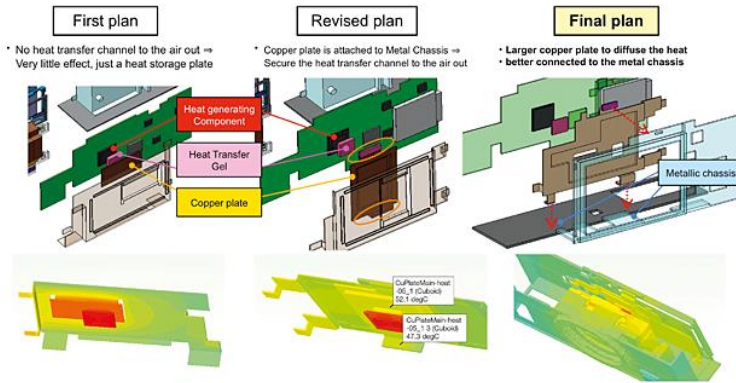
Simulation-based camera thermal design with Simcenter Flotherm



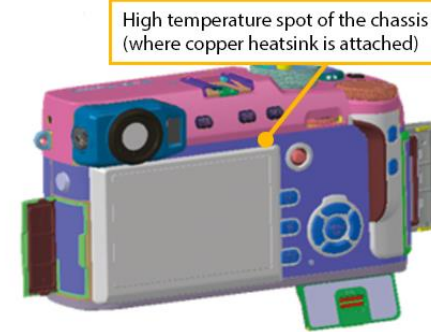
Realizing simulation-based camera thermal design with Simcenter Flotherm

Solve thermal challenges before CAD or EDA resources are committed and avoid rework

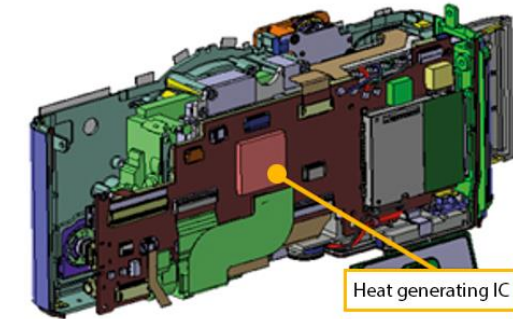




Fujifilm's simulation-based camera design with Simcenter Flotherm



High temperature spot of the chassis



Heat generating IC

- Earliest optimization of designs for thermal performance
- Thermal design before CAD or EDA resources are committed
- Determined structure required to cool the main heat dissipating component to guide CAD designers

- Fujifilm realized a simulation-based thermal design process to explore define the camera's cooling solution architecture with Simcenter Flotherm prior to development work in the main CAD and EDA workflows

“We use Simcenter Flotherm to frontload our thermal design. Simcenter Flotherm enables us to explore design alternatives early on and design the optimal solution for removing the heat.”

Kazuya Mayumi, Optical Device and Electronic Video Product Development Center, Fujifilm Holdings Corporation