

Prakriti Tecnic India Pvt Ltd

Prakriti Tecnic India Pvt Ltd is incorporated as Start-up Company by First Generation Technocrat Entrepreneurs, having its Head Office at Hyderabad and branches at Bangalore.

Prakriti Tecnic is an authorized distributor for Mentor Graphics, Mechanical Analysis Division (formerly Flomerics), the world's most advanced computational fluid dynamics (CFD) products such as FloTHERM, FloTHERM-XT, FloVENT, FloEFD and 1D analysis software called FloMASTER.

The simulation software and consultancy services eliminate mistakes, reduce costs, and accelerate and optimize designs involving heat transfer and fluid flow before physical prototypes are built. For that our prime simulation software's are FloTHERM and FloEFD.....etc.

FloTHERM: FloTHERM is our flagship product which predicts heat transfer and fluid flow, is powerful 3D simulation software for thermal design of Electronic equipment and systems. This enables engineers to create virtual models of electronic equipment, perform thermal analysis and test design modifications quickly and easily in the early stages of the design process well before any physical prototypes are built.

FloTHERM is an industry-specific analysis tool specially designed for a wide range of electronic applications that include: **Computers and data processing, Telecommunications equipment and network systems, Semiconductor devices, ICs and components, Aerospace and defence systems, Automotive and transportation systems and Consumer electronics.**

FloEFD: The latest evolution in Computational Fluid Dynamics (CFD), Engineering Fluid Dynamics (EFD): Tightly integrated with major MCAD systems including Pro/ENGINEER, CATIA, Nx and Solidworks. FloEFD is fully-featured 3D fluid flow and heat transfer analysis software without the numerical complexity and meshing overhead of traditional CFD. FloEFD allows engineers to optimize their designs in the shortest possible time by removing the complexities of numerical/mathematical schemes and computational mesh creation. Industries around the world such as aerospace, automotive, medical devices, industrial machinery, and pumps/ valves use FloEFD.

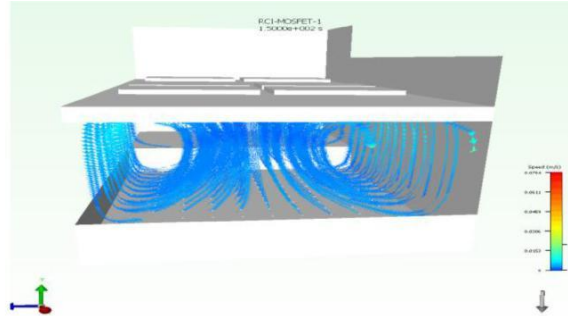
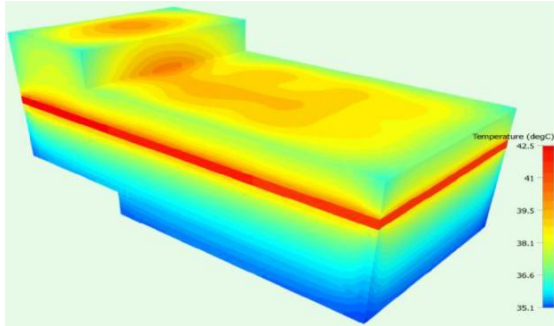
FloEFD is an industry-specific analysis tool specially designed for a wide range of applications that include: **Aerospace/Defence, Automotive/Transport, Biomedical/Medical Systems, Chemical/Processing, Computers, Construction/HVAC, Consumer Goods, Electronics, Energy, Lighting, Marine, Oil & Gas, Plastics, Power Generation, Refrigeration, Semiconductors, Telecommunications, Test & Measurement, Valves/Pumps and Water Management**

We have supplied the above simulation software to the major DRDO Labs, PSU's, MNC's and continuously supporting either personal visit, online or telephone.

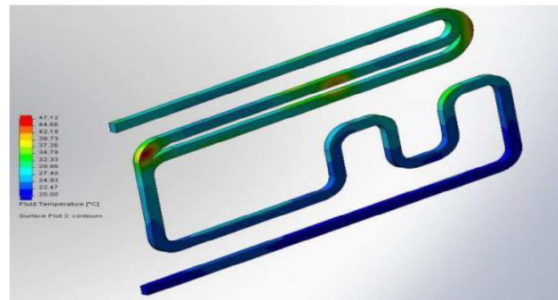
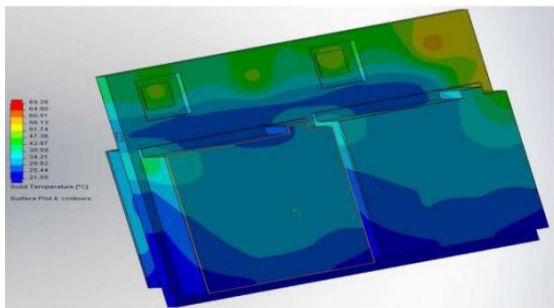
Some of the Labs are expressing constraint of qualified Engineers of utilization of the Software. To address the problem now O9E is offering Thermal Design Services (TDS). Below you can find the success story of services.

DRDO LABS

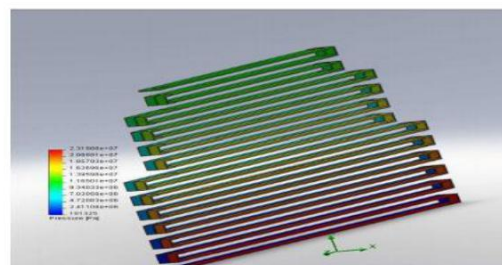
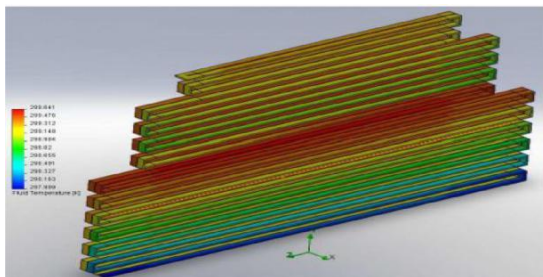
1. Thermal Analysis on MOSFET



2. Cold Plate Analysis

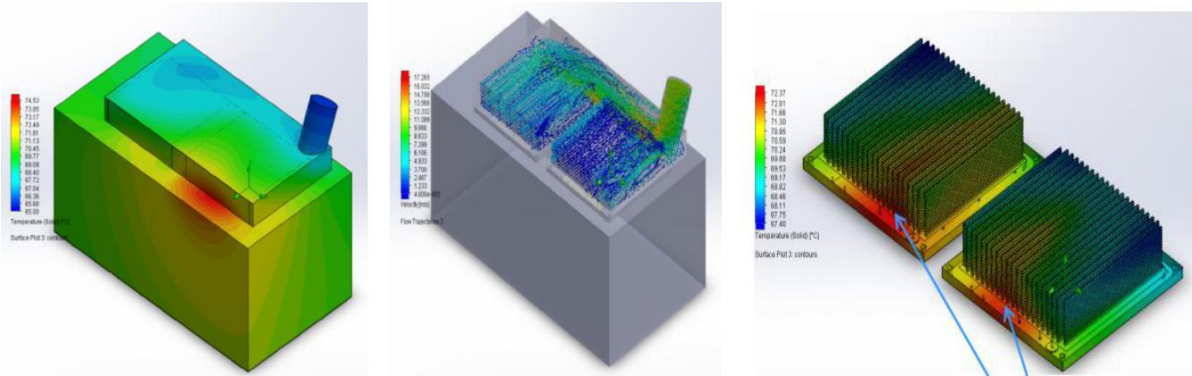


3. Optimization on Mass Flow Rate

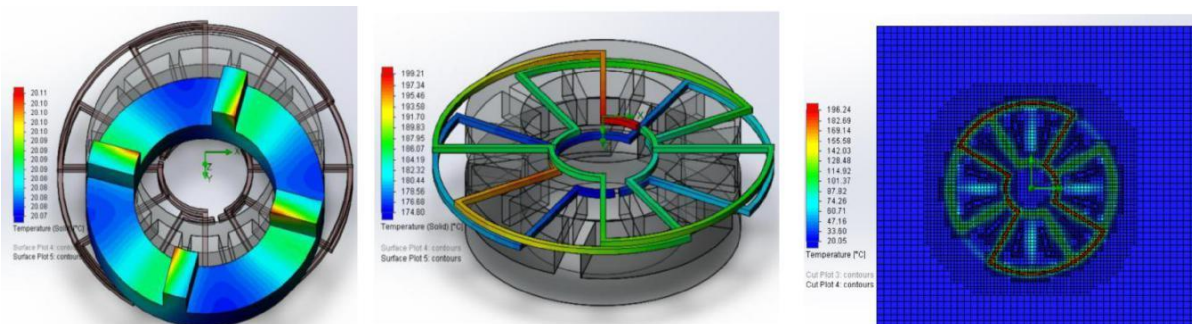


PSU LABS

1. Thermal Analysis on Transformer using FloTHERM & Thermal Simulation on Heat sinks Performance.

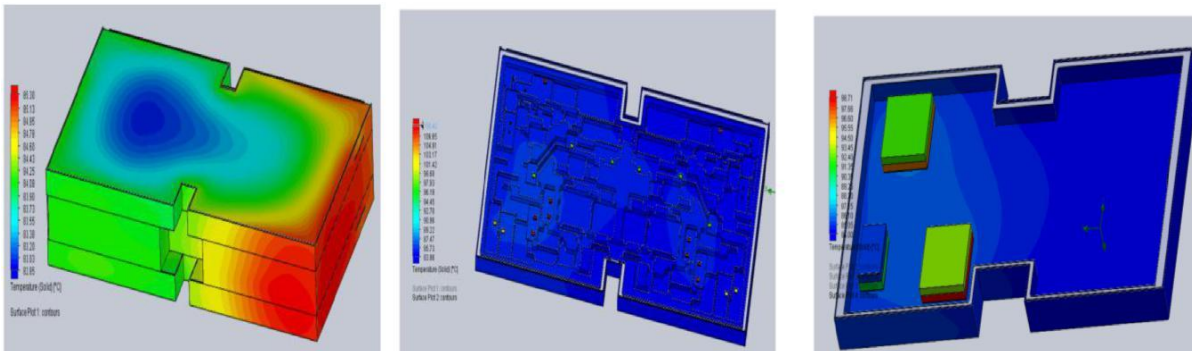


2. Thermal Simulation on Generator.

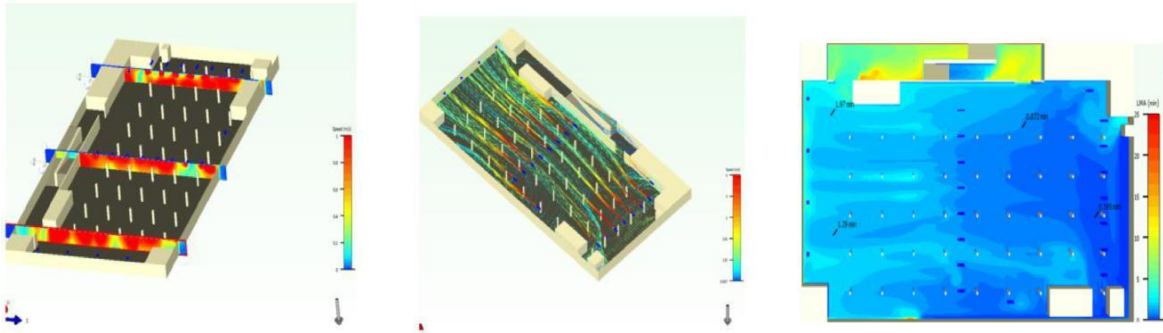


PRIVATE COMPANYS

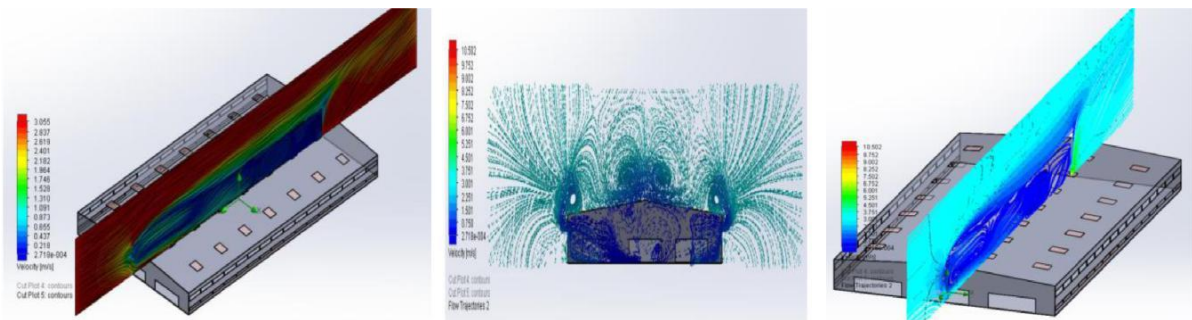
1. Thermal Analysis on TRMM & Thermal Simulation on Channelized Receiver.



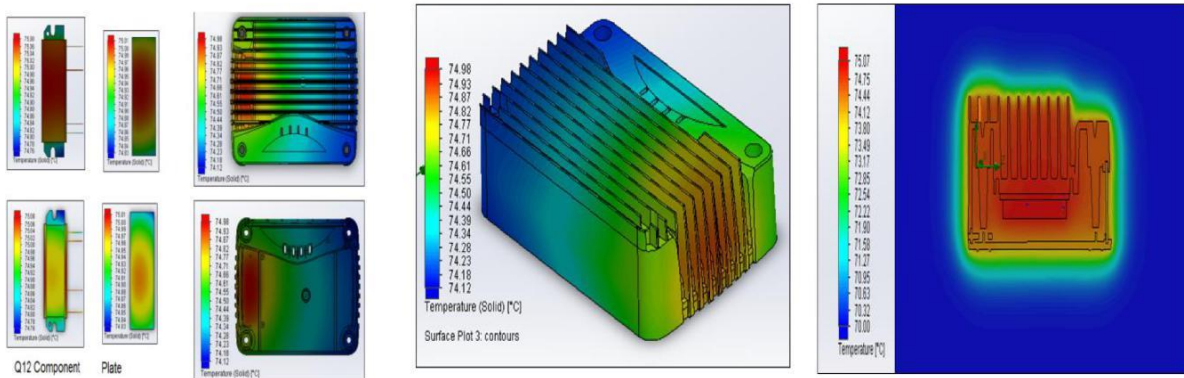
2. CFD Analysis on Shed (HVAC)



3. HVAC Simulation on Metro Shed.



4. Thermal Simulation on Heat sinks Performance.



.....Few more

Thermal Analysis on power Amplifier

CFD Analysis on Warehouse

CFD Analysis on Car Parking Area

Thermal Simulation on DC-DC converter.