

# Total Thermal Solution

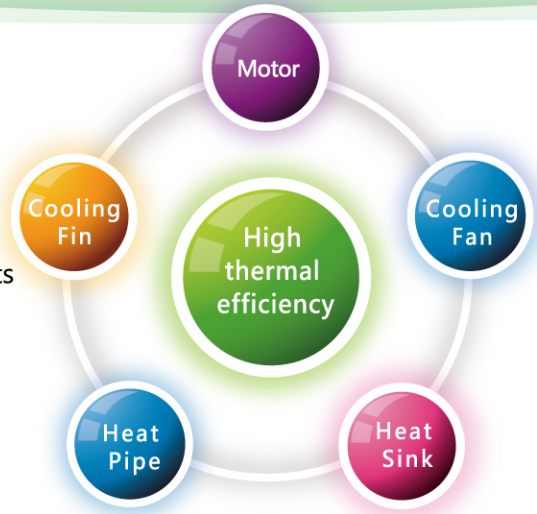
High all-encompassing design High cost-efficient solution



# Sunon Offers Heat Dissipation Total Solution Technology and Services

## ■ SUNON's Total Solution :

- ✓ Increases product profitability
- ✓ Reduces development costs and increases profits
- ✓ Decreases prototype development time
- ✓ Provides the most economic design solution



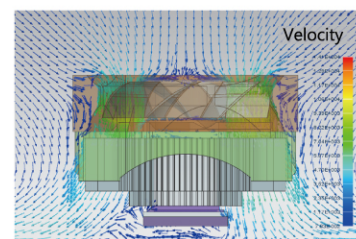
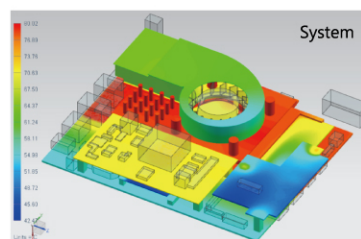
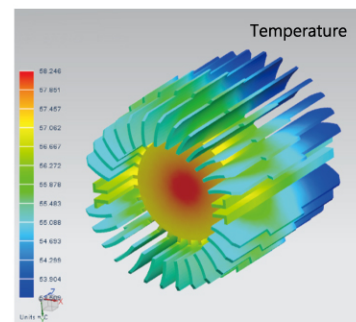
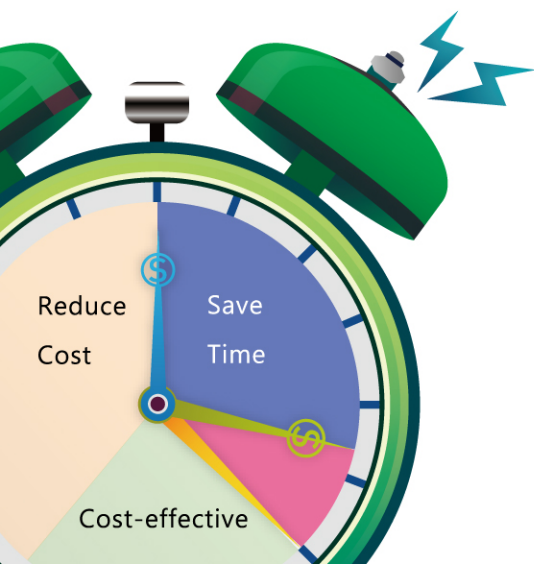
With over 30 years experience, Sunon has been concentrating on the research and development of motor core techniques, which has given Sunon a vast clientele with a wide assortment of system experiences and cooling problem-solving abilities. Sunon has been utilizing state-of-the-art equipment and innovative techniques to tailor-make the optimized cooling systems for our clients' latest concept commodities. From function, accessory shape and cost, to perception about commodity experience, Sunon has been paying careful attention to meet clients' particular goals and requirements.

Sunon's total solutions offer a variety of customized cooling products to our clients. Moreover, we offer customized accessory and assembly orders, such as: complicated parts and accessory design, production for fan sets with greater cooling ability, fan mounting parts and accessories, optional fan anti-vibration sleeves, anti-vibration pad, wind-guide-cover tailor-made for the flow channel, as well as spare handle design for fast change of fans for long-running equipment. We provide our clients with complete modules to speed up development of their product prototypes.

## ■ Thermal Solution Design Simulation Analysis

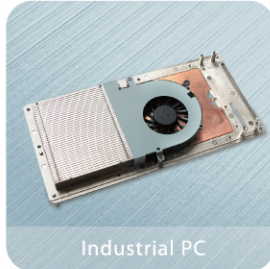
Provider :

- Individual module and system thermal analysis
- Custom CM design
- Vent Optimization
- Temperature distribution
- Velocity profile
- Pressure distribution





## ■ SUNON Customization Capability



Industrial PC



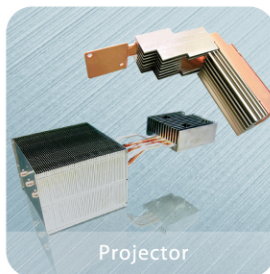
Cold Plate



Server



TV Solution



Projector



All in One PC



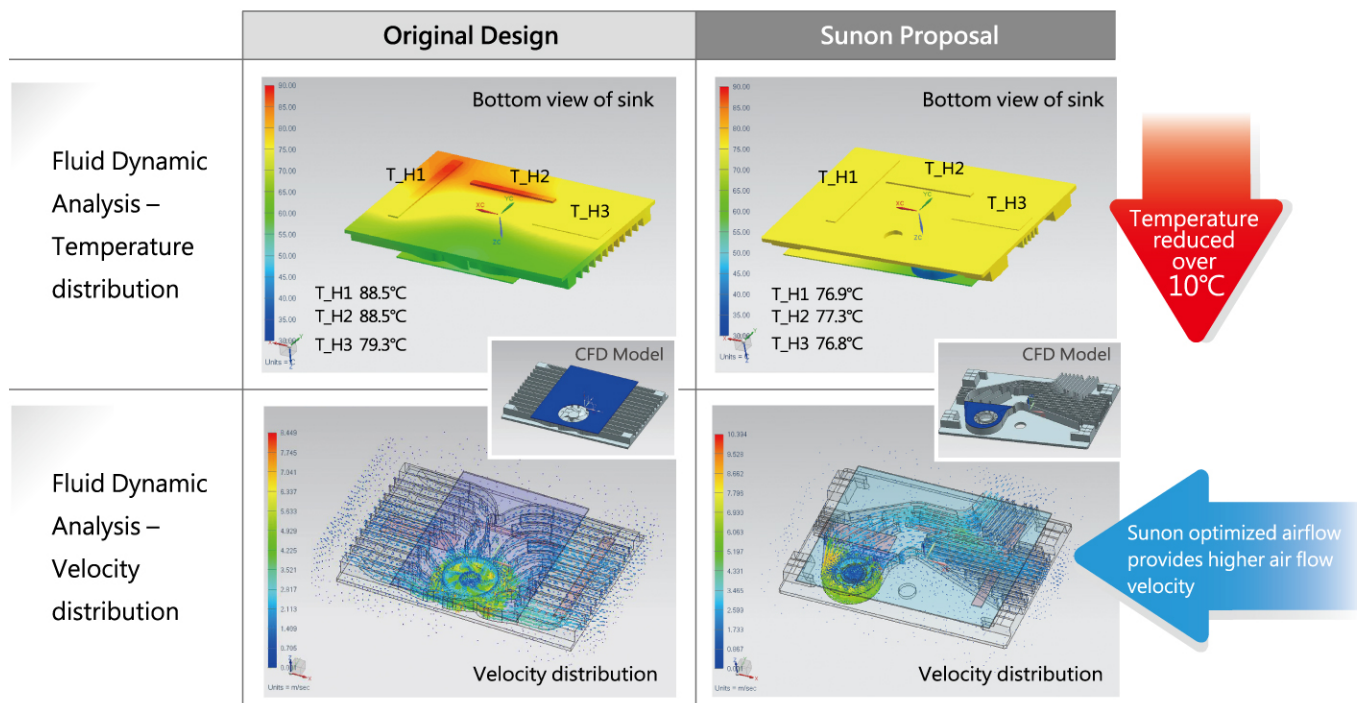
Automotive Module



LED Lighting

## ■ Thermal simulation case study

**Successful case Car Stereo Amplifiers :** Sunon's total solutions cooling techniques effectively solve car stereo amplifiers' cooling problem. Sunon provides thermal analysis on modules and systems and highly reliable cooling optimized designs. Compared with clients' original designs, Sunon's optimized designs effectively lower temperature by over **10°C** to prolong client's products' service life and enhance their products' efficiency.



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