

Automotive Applications

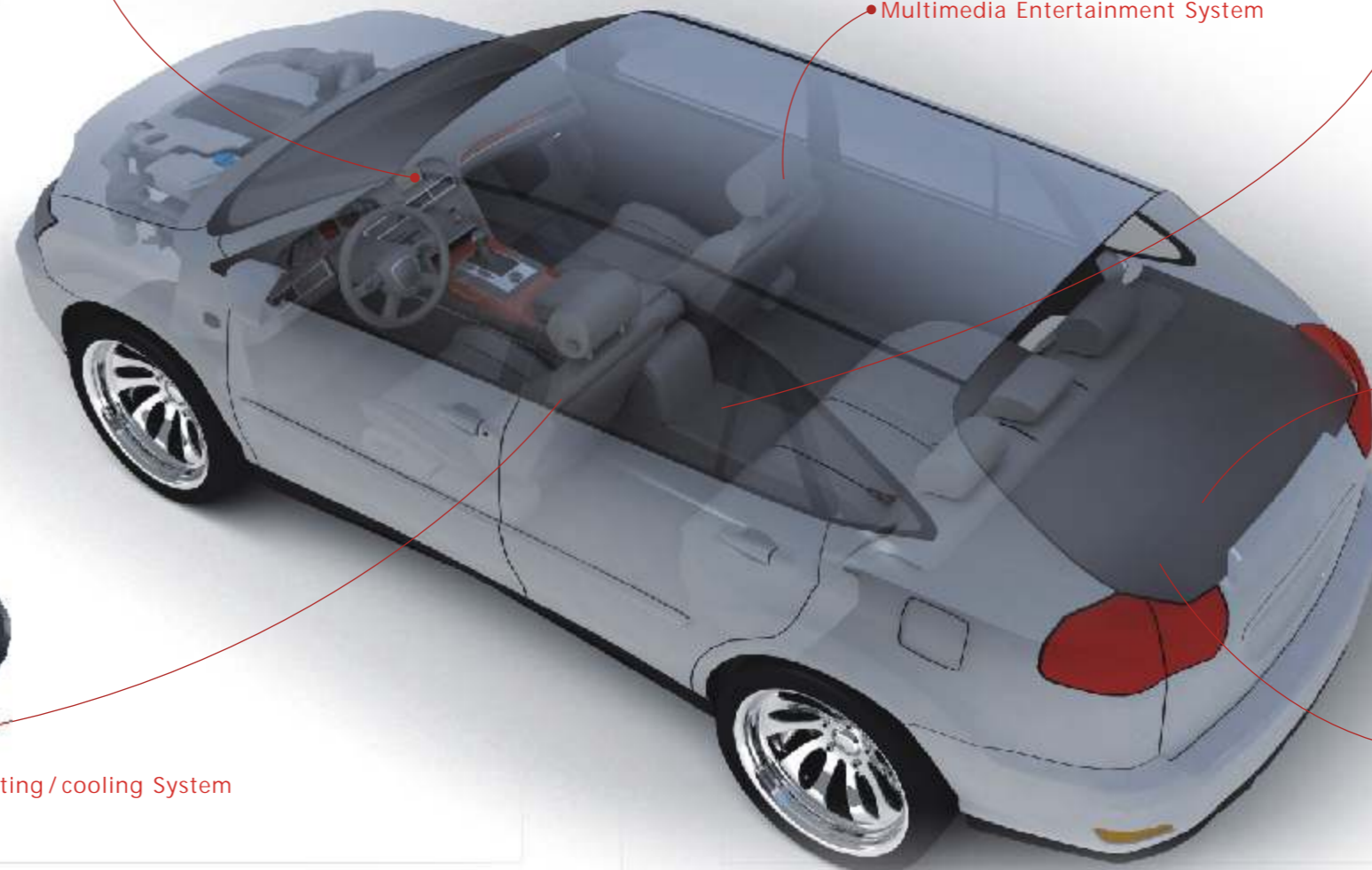
Y.S. TECH has many years of experience working in both the North American and European Automotive Markets. Utilizing our core technologies of CFD simulations, Psycho-Acoustic Analysis, Multi-function control system, mechanical expertise, and overall system integration we are able to develop optimal cooling solutions for customers in one of many different applications. Telematics Systems(Navigation, Audio Amplifiers, DVD and Head units), Seat heating and cooling, Hybrid Driving System (Fuel Cell-Gasoline), LED lighting and more are just a few of the applications Y.S. TECH can help solve thermal management problems. Our goal is to provide a cooling system that is unsurpassed in reliability, quality and performance giving the driver & passengers the most comfortable driving experience.



Telematics system
(Navigation, Head Unit)



Car Seat Heating /cooling System



Multimedia Entertainment System



Mobile Refrigeration With Bottle Cooler



Audio Amplifier Amd DC/AC Inverter



Car Computer System

Advantages

- TS16949 CERTIFICATED
- High Range Operating Voltage : 4 ~ 16VDC at 12V Rated
- High Range Operating TemperatureF -40 ~ 90Ž
- Multi-Function motor control
 - Thermostat control(NTC)
 - Pulse Width Modulation control(PWM)
 - PWM with NTC Hybrid Control
 - Redundancy Protection Design
 - Customized design by program
- High Reliability
 - Over-Voltage Resistance during long term operation: DC 27V / 1 min
 - Thermal Shock: -40 ~ 90? , 1hr per Temp., Temp. Change in 30 sec.
 - Mechanical Shock: Semi-wave, a = 500m/s2, 6ms, 10 times per direction
 - Vibration Test: 5Hz/0.00919 G2/Hz~ 2000Hz/0.00146 G2/Hz, 25? /12hrs
- Customized design service for total thermal solutions and analysis