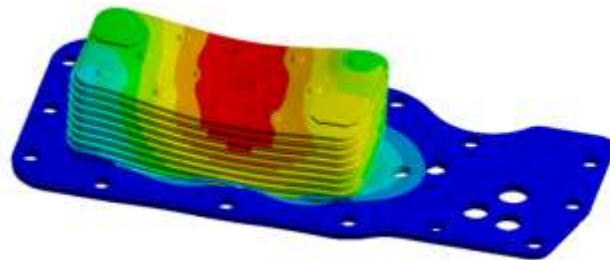


## CFD/FEA Analysis Of Heat Exchanger

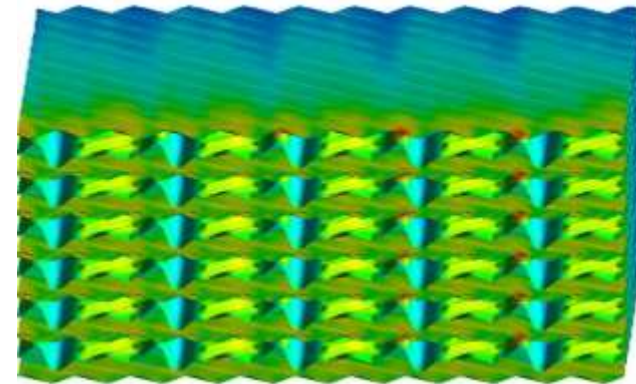
CFD/FEA as a tool can be used to predict the flow and Heat transfer characteristics at a point, in a region or in the whole domain of the Heat Exchanger. Managing the gas flow paths within and around the heat exchanger tubes efficiently can substantially reduce operating temperatures and eliminate the hotspots. Using CFD simulation, a complete three dimensional thermal map can be obtained from any operational conditions. Without having to actually build and test an expensive prototype, thermal/ fatigue analysis can investigate design changes and validate decisions early in the development process

### We Provide CFD/FEA analysis for following

- Louvered / Spiral fin heat exchanger
- Shell & tube type heat exchanger
- EGR Cooler
- Oil Cooler
- Regenerative Air pre heater
- Charge Air cooler



FEA analysis of Oil cooler



Air pre heater analysis



Thermal analysis of Shell & tube heat exchanger

## CFD/FEA Analysis Of Heat Exchanger

- Single phase flow analysis
- Multi phase flow analysis
- Conjugate heat transfer analysis
- Multi physics analysis
- Condensation Analysis of Exhaust Gas Recirculation System
- Fatigue analysis
- Modal and Harmonic analysis
- Design optimization

