Heat Flux Sensor provided by TOYOTA

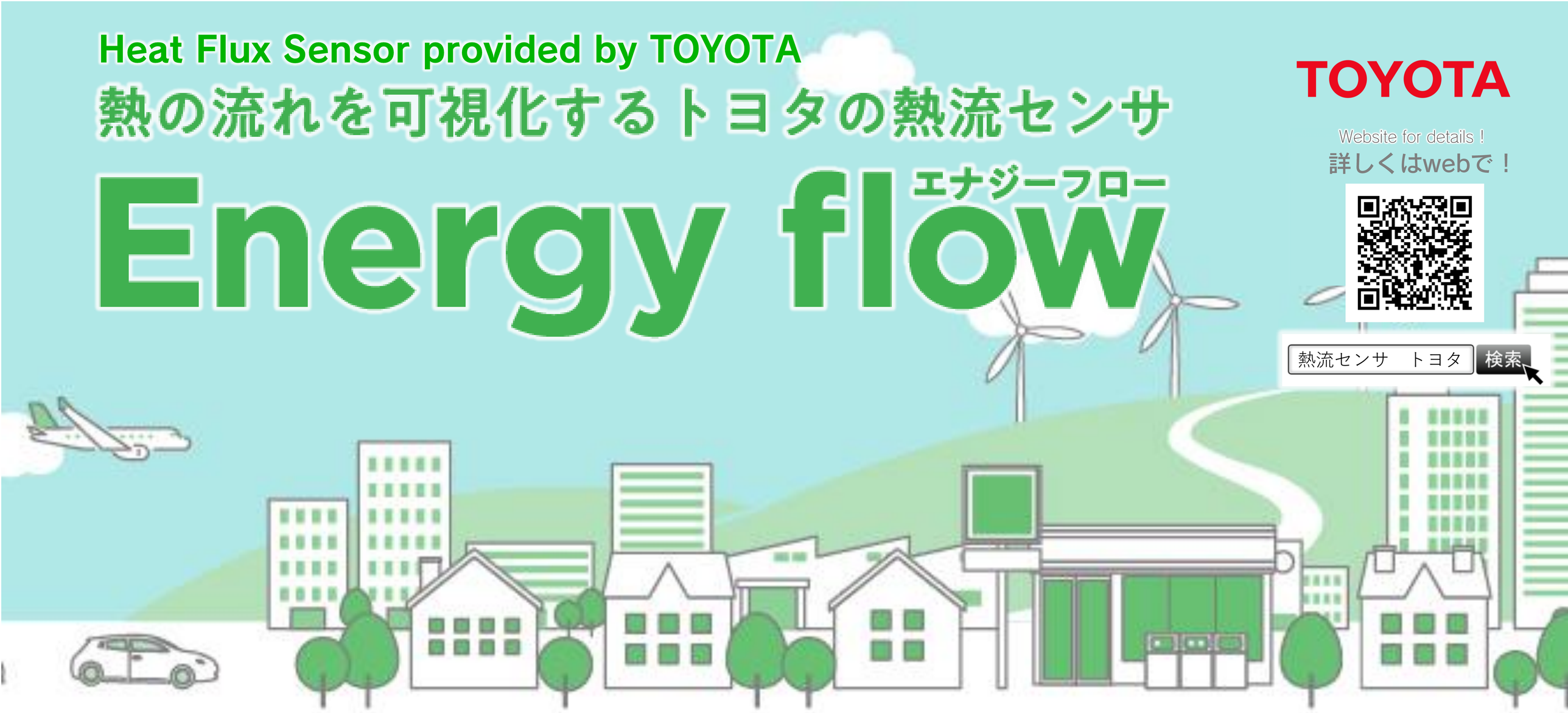
熱の流れを可視化するトヨタの熱流センサ

Energy flow エナジーフロー

TOYOTA

Website for details！
詳しくはwebで！

熱流センサ　トヨタ　検索



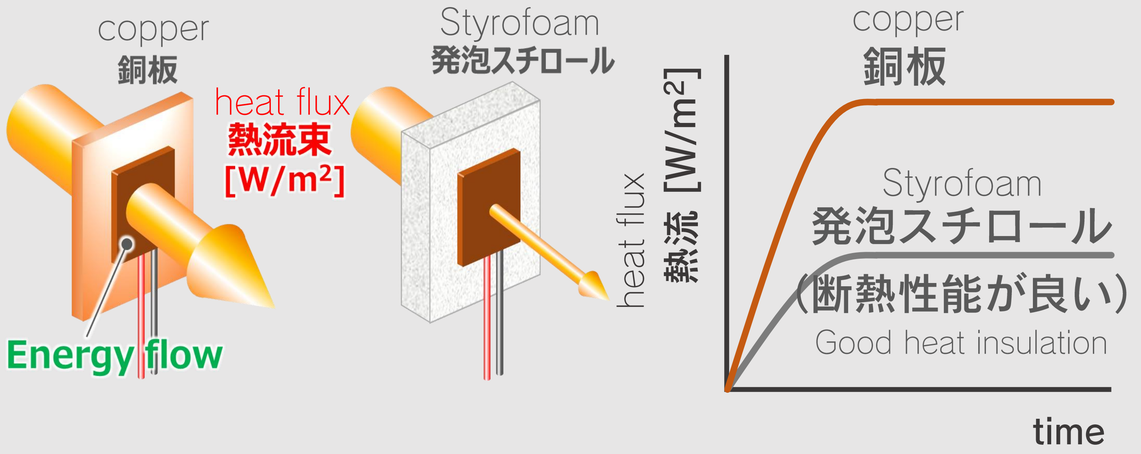
What heat flux sensor can reveal

熱流センサでわかること

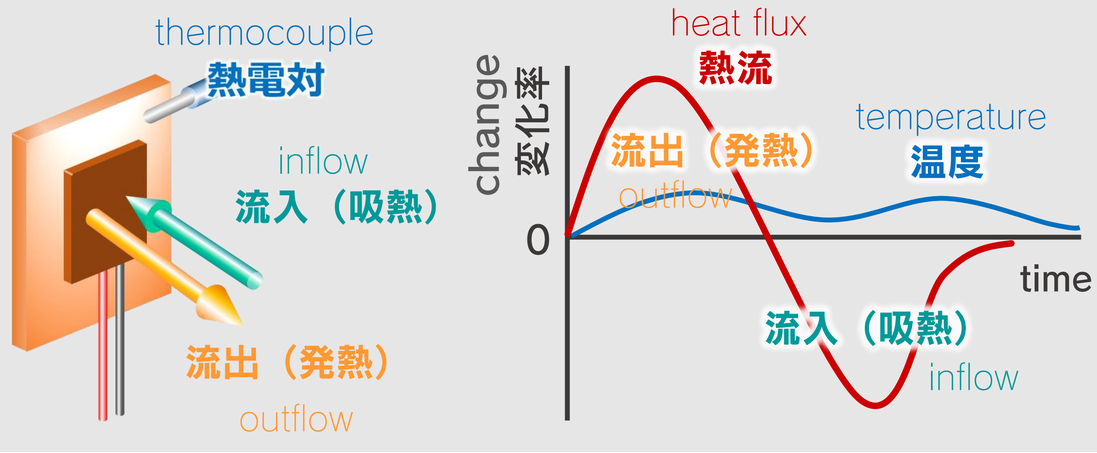
温度では把握しきれない**熱流束を簡便に測定**し、**温度変化のメカニズムを解明**します

By easily measuring heat flux, can clarify the mechanism of temperature change.

熱の量がわかる Amount of heat flow



熱の流れる方向がわかる direction of heat flow



Energy flow エナジーフローの特徴 features

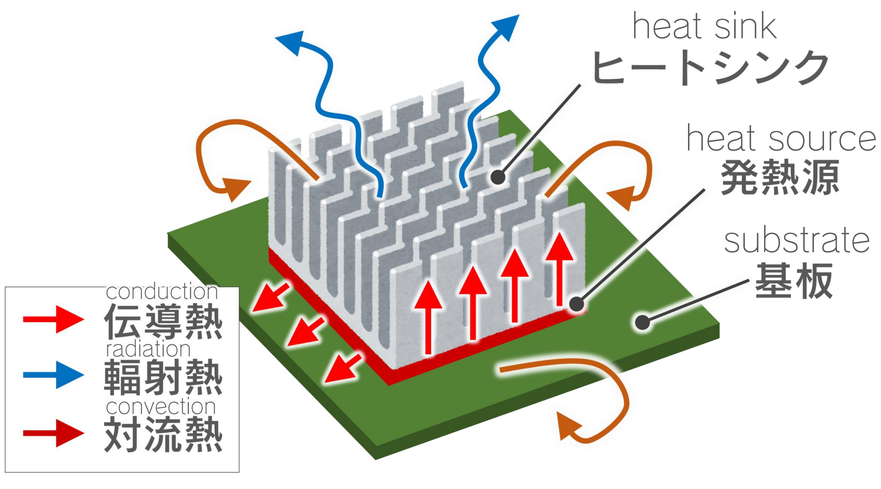
- ✓微小な熱流も計測可能
  Capable of measuring even slight heat fluxes
- ✓電源やアンプが不要、電圧計測でOK
  No power supply or amplifier required
- ✓薄型、フレキシブルで曲面使用できる
  flexible (Rmin<30mm) for use on curved surfaces

輻射率の異なる２種のセンサを利用することで、対流と輻射を分離して把握することもできます

by using two types of sensors with different emissivity, can measure convection and radiation separately

Usage scene

こんな困り事にご活用いただけます

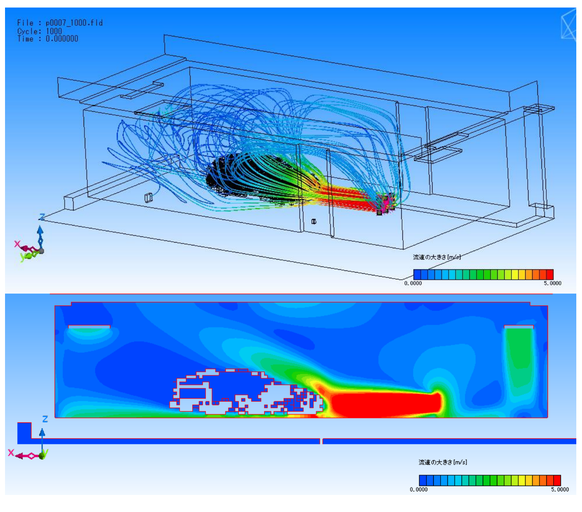


発熱量や伝熱量を知りたい

Measurement amount of heat generation and transfer

快適性を数値化したい

Quantifying comfort



CAE解析精度を高めたい

CAE accuracy improvement