MUFFLER WITH HEAT RECOVERY
II Law of Thermodynamics:

Heavy trucks (7% of all vehicles) consume 25% of US transportation fuel!
The new standards plan to half truck fuel consumption.
WHY IS THIS HEAT NOT BEING RECOVERED?

- Lack of efficient heat exchanger
- Pressure limitation

The main barriers are: **Not proficient off-the-shelf heat transfer equipment** and **Pressure limitation in Exhaust**
SHI SOLUTION: MUFFLER-HEAT EXCHANGER

What process can complete both functions?

SHI Concept (Fluidized Bed) = heat recovery + noise reduction
FB M-HE can provide heat recovery of exhaust heat and reduce exhaust noise.
This valuable savings in fuel consumption lowers the national dependence on foreign energy.