Special requirements

- Charging
- new technologies → Variable valve train, GDI, variable compression ratio ...

Further vehicle / application specific requirements

- Power / Torque
  - Acceleration / Speed-up
  - Intermediate sprint / climbing performance
  - Maximum speed / engine map
- Fuel consumption
  - Consumption per distance
  - Cycle consumption (EU: NEDC, WLTP, WHTC, ... US: FTP-75, US06, SC03, HWFET, LA92, ... J: JC08 ...)
- Packaging (different mounting positions, crash test requirements)
- Controllability
- Operating / ambient conditions
- Recyclability
- .....