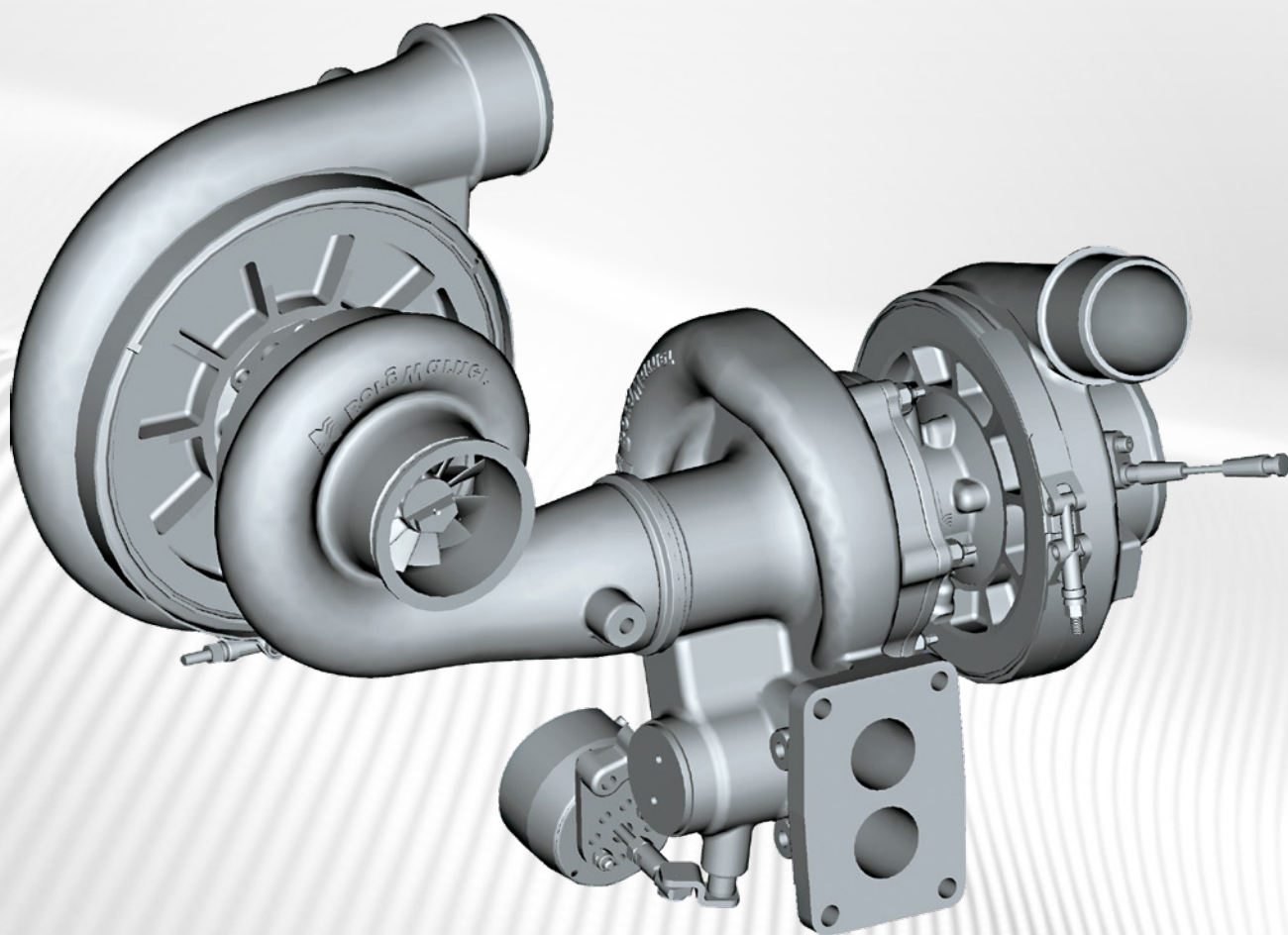


# Explore our Technologies

## High Efficiency Turbocharger (HET)

from BorgWarner



# High Efficiency Turbocharger (HET) from BorgWarner

## Turbocharger providing best-in-class performance

with optimized package and reduced weight for heavy duty on-road commercial vehicle applications running Hydrogen and alternative fuels.

## Technical Features

- Regulated two-stage turbocharger utilizing Gen 3 ball bearing system, supporting improved fuel economy and GHG emissions for heavy-duty on-road applications
- Targets SCR-only / low EGR engines
- Available for ~10–16 L
- Supports high speed/pressure operation associated with aggressive engine ratings
- Dual Volute (DV) or Twin Flow (VTF) turbine stages available to suit engine operating conditions and maximize exhaust pulse utilization

## System Benefits

- Best-in-class aero performance supports industry-leading customer fuel economy
- Reduced-weight, reduced-envelope packaging supports customer fitment goals
- CAE-optimized wastegate features support improved catalyst light-off / aftertreatment conversion efficiency for improved NOx control
- CAE-optimized turbine stage features support enhanced engine pulse utilization
- Wide map compressor stages and high-efficiency low flow turbine aerodynamics well support conversion to alternative fuels such as hydrogen

## Distinctive Match Strategy

- High specific-Pr compressor w/ optimized efficiency topology
- Wide map compressor (supporting EGR schedule)
- Low-flow turbine (VTG as optional)
- R2S turbo for aggressive ratings

