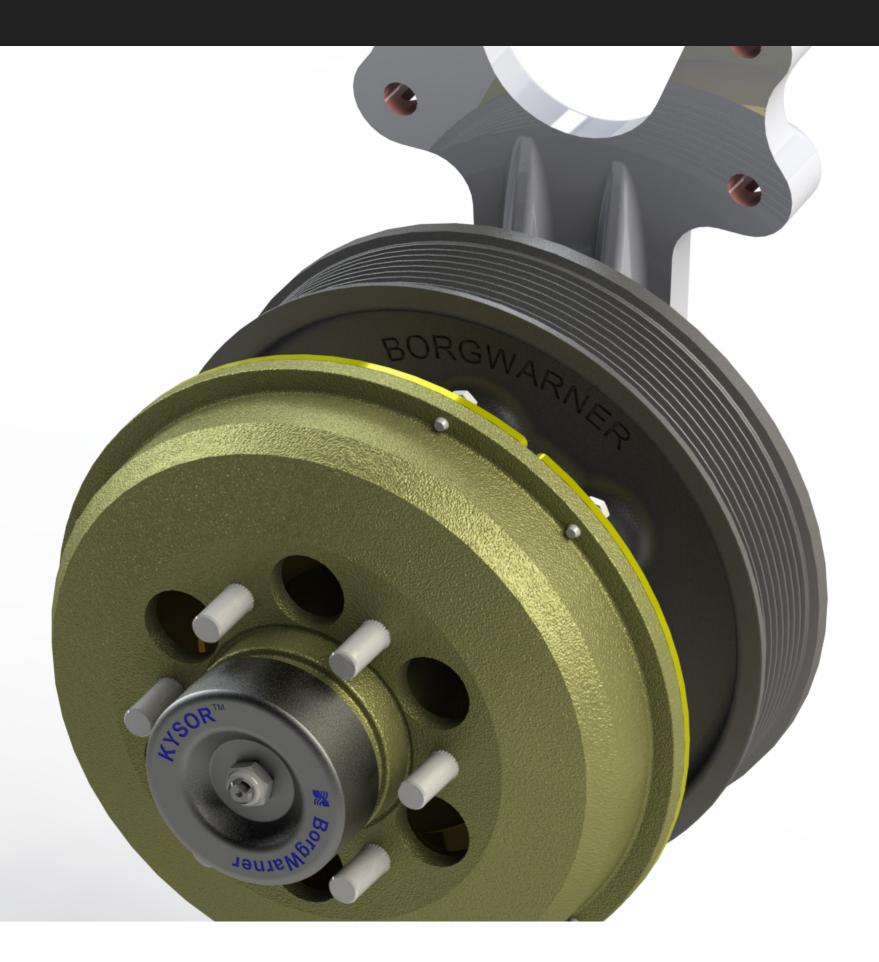
## ENLIGHTEN AWARD 2017 PRESENTED BY ALTAIR







## BorgWarner On/Off Fan Drive

An on/off fan drive mounts to the engine of a medium or heavy duty vehicle which allows the cooling fan to be engaged or disengaged in operation. The reduced weight designs were developed from previous best practices and innovation through design optimization leading to a reduction in the engine base casting's overall footprint. Reducing the weight in the engine base casting and pulley castings realized the 1.6Kg in weight savings, and minimmized the amount of post-process manufacturing operations that were required.

**Category:** 

Module

**Application:** 

Freightliner M2 SL

Weight Saving:

**1.6kg** 

compared to baseline system

Methodology:

**Design Optimization** 

Presented in partnership with:





