



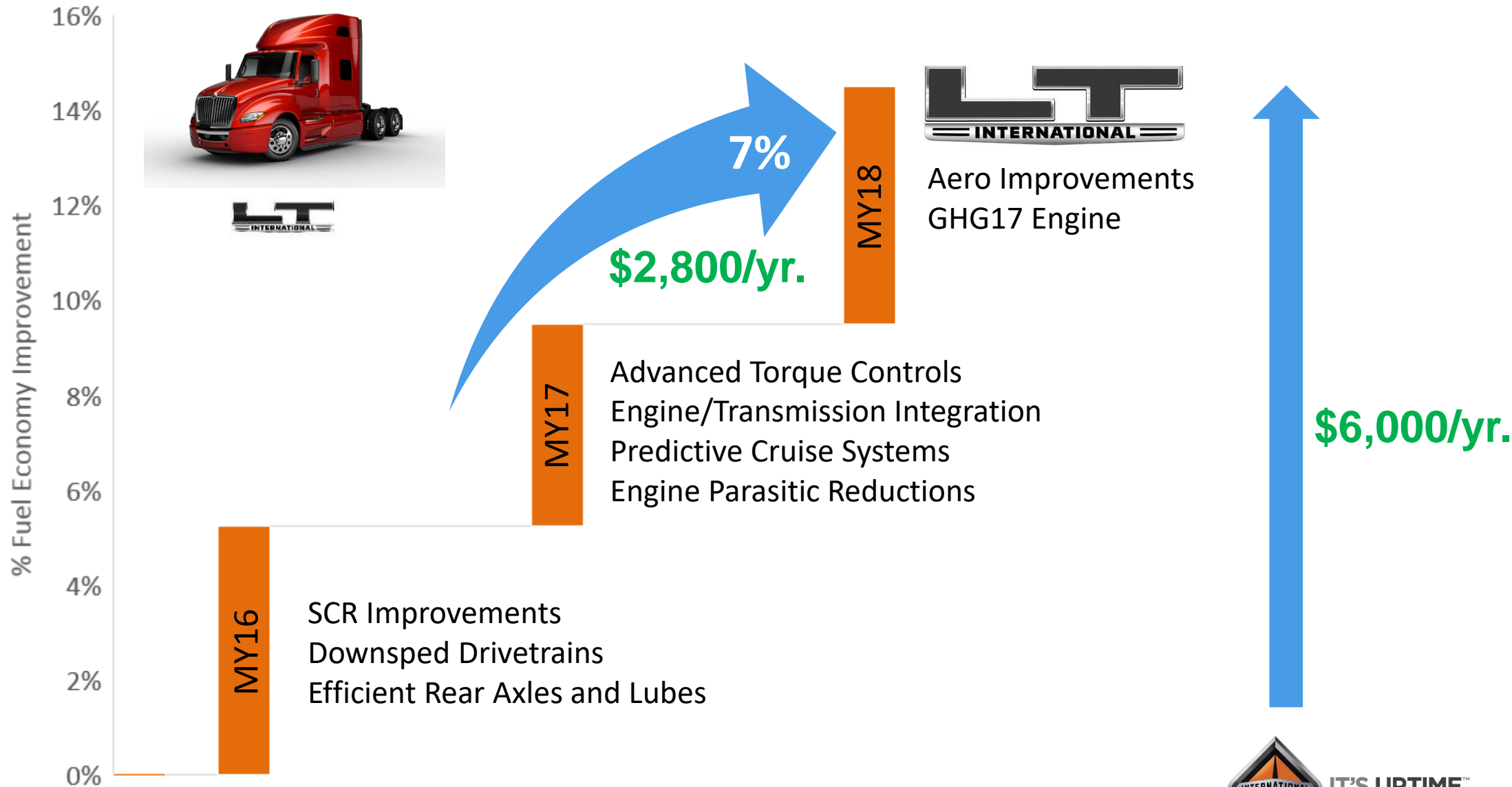
LT Academy

Fuel Economy

Information accurate at time of release



Fuel Economy's Climb is Accelerating with LT



* 7% FE gain based on MY improvement from first MY17 build to LT Launch

LT Series Set A New Standard in Aerodynamics: 3% Over ProStar ES

*Compared to a 2016 ProStar ES

The LT Series was designed to reduce aerodynamic drag both **AROUND** and **THROUGH** the truck.

**Up To 3% Improvement
in Fuel Economy**

Pedestal mirrors reduce drag and wind noise

Aero contoured hood top and shoulder

125" BBC improves cooling and under hood airflow

Sealed grille to cooling module

Aero enhanced three piece bumper

22" long side extenders close the trailer gap

Elimination of vent window

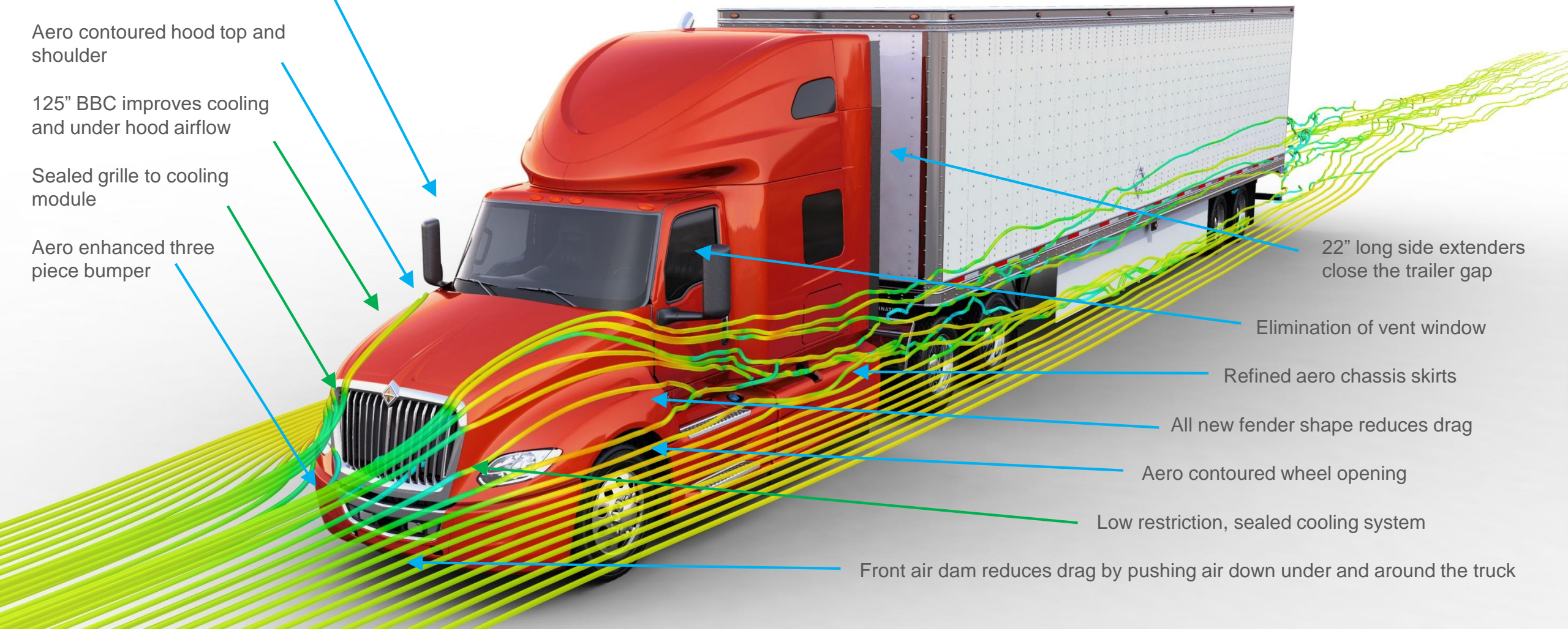
Refined aero chassis skirts

All new fender shape reduces drag

Aero contoured wheel opening

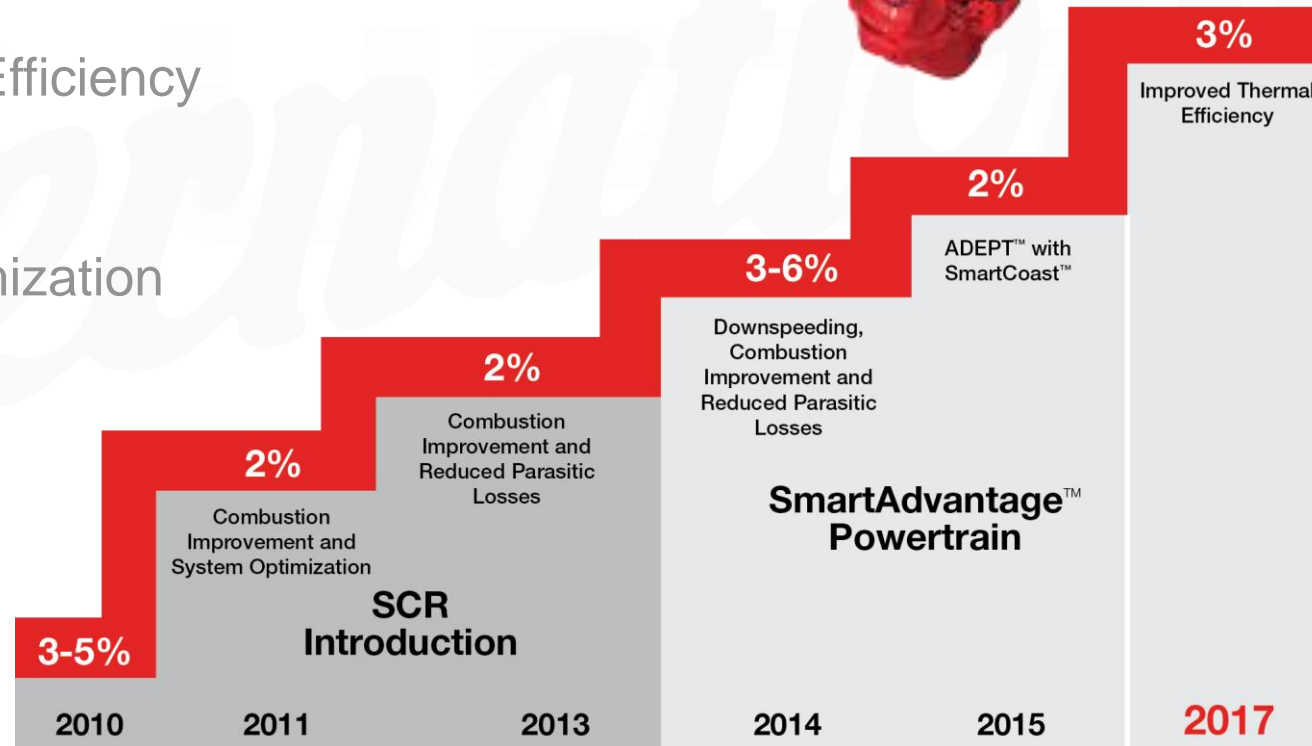
Low restriction, sealed cooling system

Front air dam reduces drag by pushing air down under and around the truck

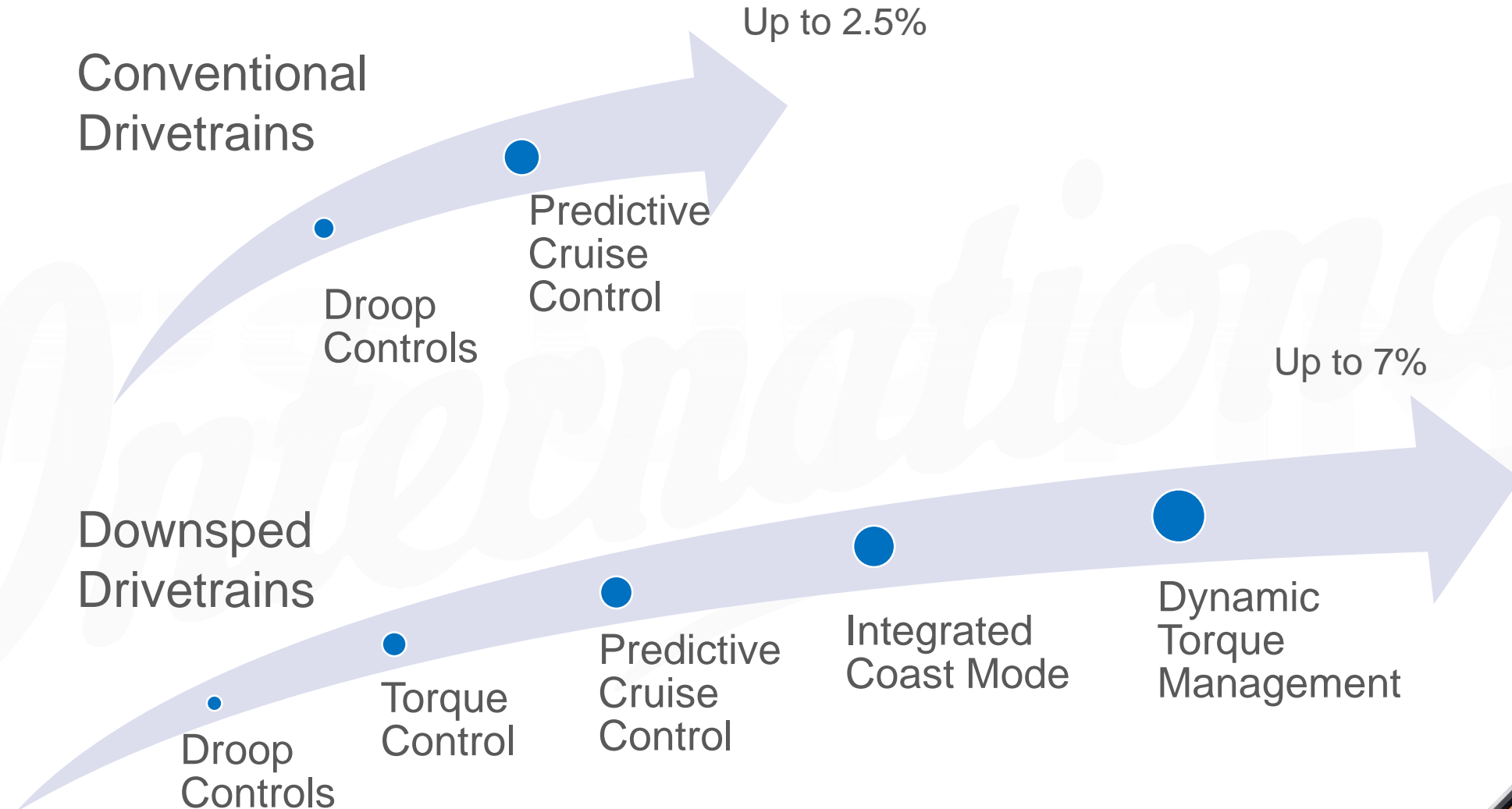


Cummins 2017 X15 Engine

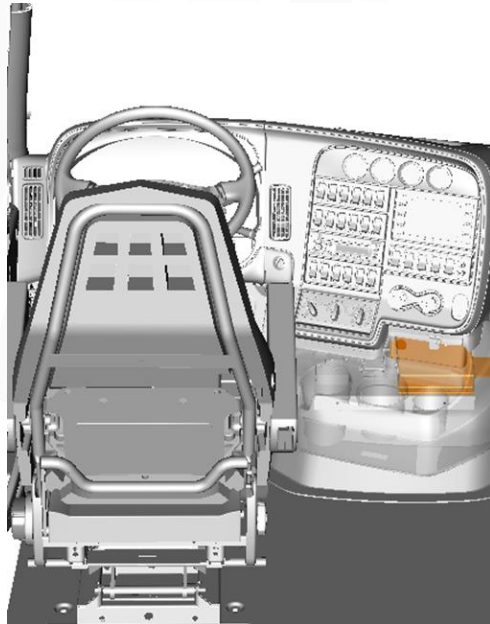
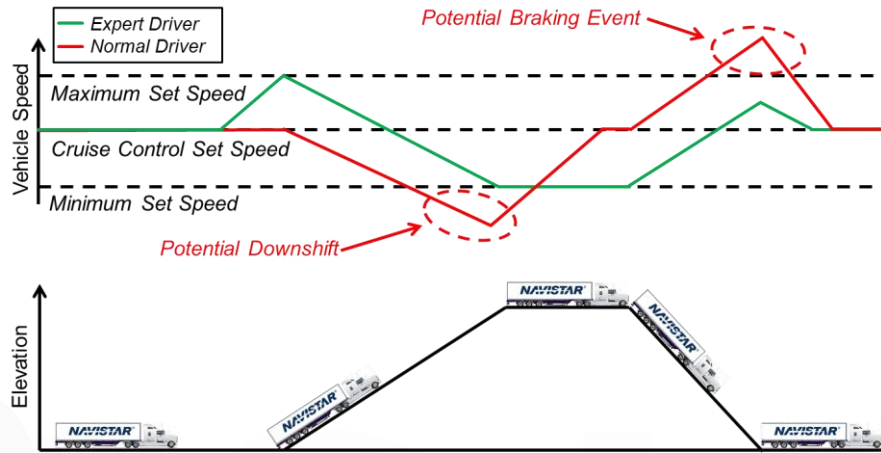
- Up to 3% Fuel Economy Improvement
 - Parasitic Reductions
 - Water Pump Efficiency
 - Lube Oil Filter Head Restriction
 - Scissor Gear Removal
 - FA4 Engine Oils
 - Air Management Efficiency
 - Turbo
 - Intake Throttle
 - Combustion Optimization
 - Fuel Injectors
 - DEF Consumption



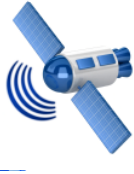
Control Strategies: Significant FE Impact



Predictive Cruise Control (12XBE) - Up to 2% FE



GPS



Road Database



The system will calculate the desired speed in which the vehicle should follow: such as accelerating before ascents to avoid downshifts; or decelerating before descents to minimize use of brakes.

- Available on both the ProStar and LoneStar
- OKTS is June 2016
- Expected Fuel Economy benefit of up to 2% in 50/50 hilly and flat terrain
- The system is active when cruise control is activate and requires no special actions from the driver
- Programmable droop settings allow the vehicle speed to vary above and below cruise set speed. Factory settings of +3MPH/-5MPH to provide optimum performance with fuel economy savings
- Enhancements to provide range of droop settings up to +5MPH/-10 MPH for more FE savings

LT Series – Fuel Economy Expectations

		Powertrain	Daycab	73" Sleeper
Reference ProStar	MY14	Manual	13%	14%
		Downsped AMT	-	-
	MY15	Manual	10%	11%
		Downsped AMT	7%	8%
	MY16	Manual	9%	10%
		Downsped AMT	6%	7%
	MY17	Manual	7%	8%
		Downsped AMT	4%	5%

Chart Represents the Improvement of a:
 LT625 6x4 Vehicle 73" Sleeper
 400ST2 X15 SmartAdvantage
 Drivetrain with Full Aero
 Content



Additive Features:

- Neutral Coast → +1%
- Predictive Cruise → +2%

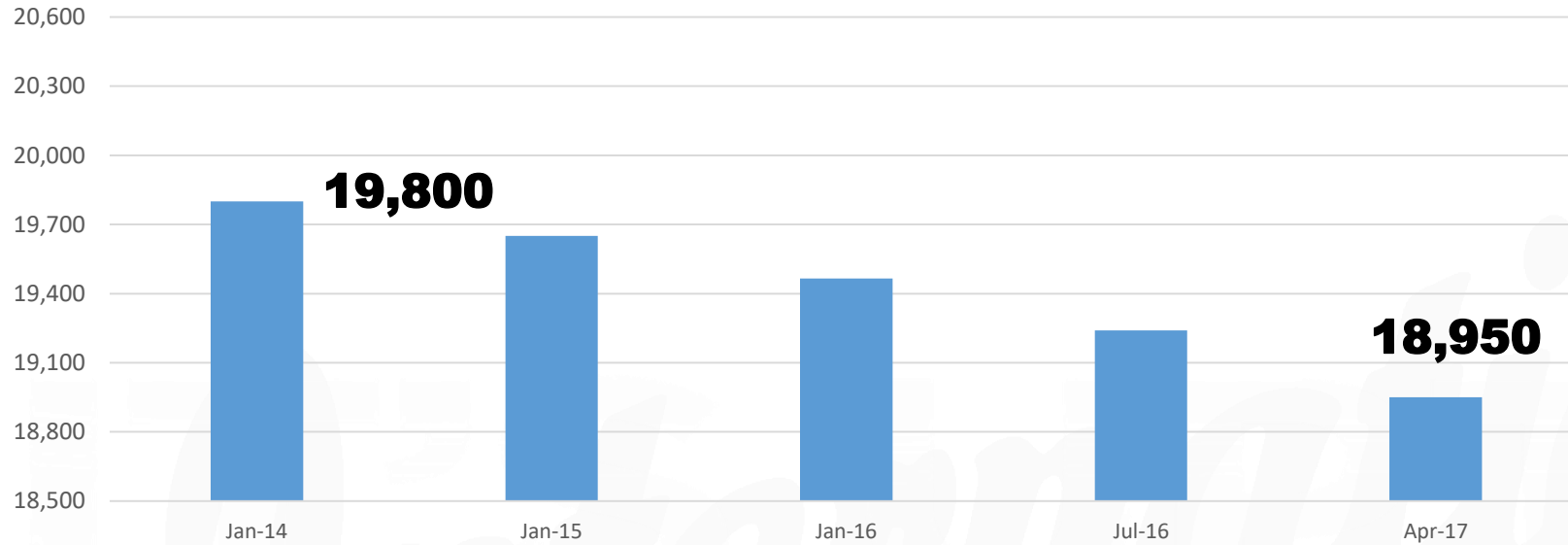
Chart is provided as guidance only. This is **NOT** a guarantee of performance.

Consult PerformanceEngineering@Navistar.com for further analysis.

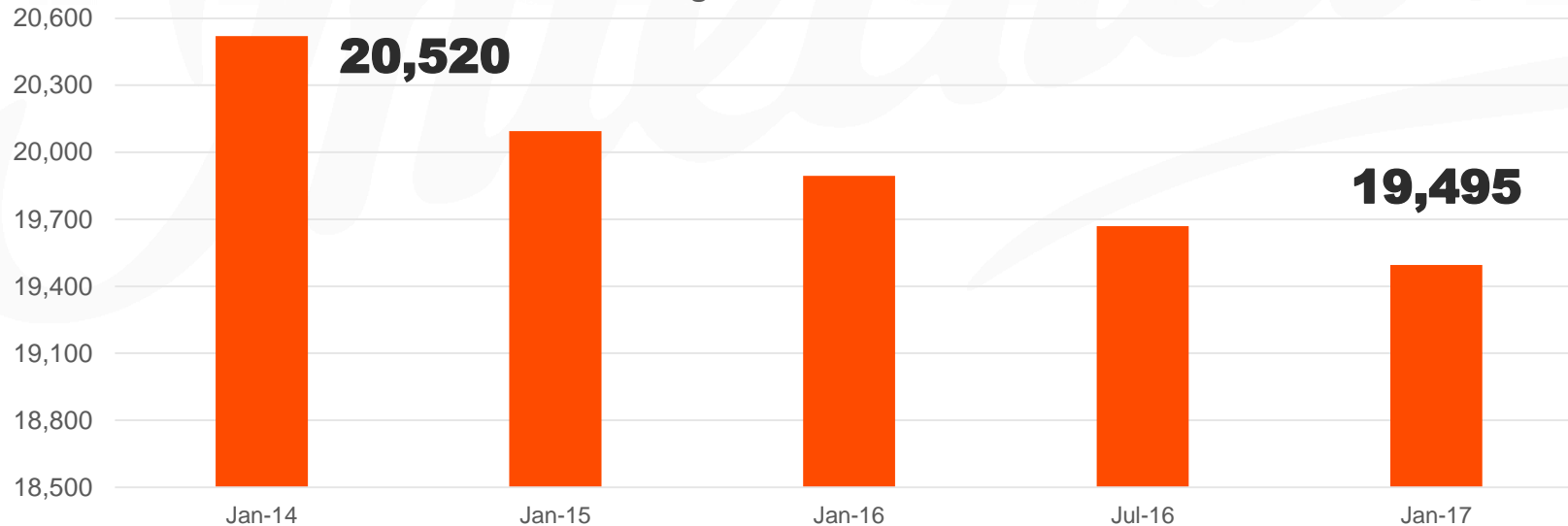


We've DROPPED 850-950 Lbs

Weight Reduction equipped with N13 to A26



Weight Reduction - 15L



Weight includes fuel and DEF.

Areas of weight reduction:

- Chassis Skirts
- 40K IROS
- Aftertreatment System
- Fuel Tank System
- Sleeper Crossmembers
- Battery Box Systems
- Cooling System
- Base Engine
- Pedestal Mirrors
- Aero Bumper
- Cab Suspension

Charts represents a:
LT625 6x4 Vehicle 73" Sleeper
Downsped Drivetrain with Full
Aero





To exit the course, click the **X** at the upper right of the screen. Next, click the Return button at the lower left to return to the course grade book.

Please click on and complete the course Post Test to receive credit for completing the course.

