Active Aero Solutions Advancing the Industry

Tony Povinelli

Global Product Line Director

Active Aerodynamics

Challenge Us

Extraordinary Customer Experience

Innovation Strategy

TECHNOLOGY

MATERIAL SCIENCE

DESIGN

Magna Active Aerodynamics History

2010

2012

2013

2015

2016

2018

20 PROGRAMS GLOBALLY

1st HIGH PRODUCTION AFD PROGRAM

2 MILLION AGS PRODUCTION

ACCERLERATING AAS DEVELOPMENTS

Benefits

10-25 Count
Drag Reduction

Lower Emissions

1MPG Increase
Fuel Efficiency

Extended Range
for Electric

MAGNA

Benefits

MAGNA

Lower Emissions

3%+ Increase
Fuel Efficiency

Vehicle Integration
Optimal Packaging
Drag Reduction

Potential Savings

MAGNA

Assuming:

8 MILES PER GALLON	**100,000** MILES PER YEAR
$2.76 PER GALLON	**12,500** GALLONS

GLOBAL MARKET

3 MILLION

Trucks Per Year

With Active Aero Technology

MAGNA

ANNUAL FUEL SAVINGS

3%
INCREASE
FUEL EFFICIENCY

GALLONS
PER YEAR

$1,031
PER YEAR
PER TRUCK

GLOBAL SAVINGS

>1 BILLION
GALLONS / FUEL

$3 BILLION

Meeting Challenges

CARBON FIBER
SUBFRAME

Carbon Fiber Subframe

45 STEEL

2 MOLDED

4 STEEL

87% PART REDUCTION

34% MASS REDUCTION

Success in Heavy Truck Industry

MAGNA

FREIGHTLINER

VOLVO

NAVISTAR®

DAIMLER

PACCAR

Working with Magna

NORTH AMERICA	
138	Manufacturing / Assembly
25	Engineering / Product Development / Sales
75,750	Employees

EUROPE	
117	Manufacturing / Assembly
50	Engineering / Product Development / Sales
59,250	Employees

SOUTH AMERICA	
13	Manufacturing / Assembly
2	Engineering / Product Development / Sales
3,500	Employees

ASIA	
59	Manufacturing / Assembly
23	Engineering / Product Development / Sales
22,775	Employees

~161,000 Employees
29 Countries
58 OEM Customers

327 Manufacturing
100 Eng / Product Dev / Sales

$36.4 Billion
(2016 Sales)

Let’s Advance the Industry Together

MAGNA

DRIVING **EXCELLENCE.**
INSPIRING **INNOVATION.**