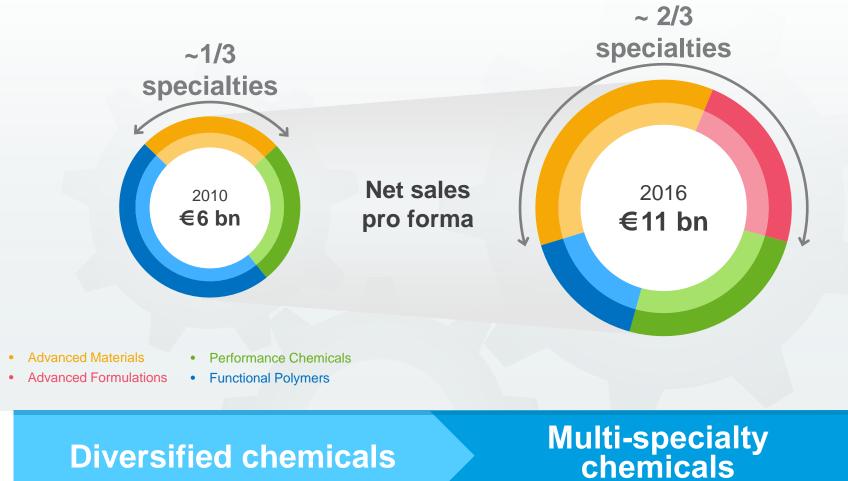
PS2 - MATERIAL EFFICIENCY





World Material Forum, June 29 & 30, Nancy Jean-Pierre Clamadieu

SOLVAY: MORE SPECIALTY DRIVEN BY **INNOVATION**

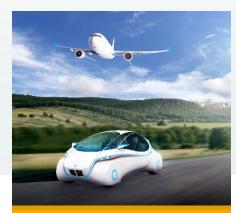






asking more from chemistry®

MULTI-SPECIALTY PORTFOLIO SET FOR MORE GROWTH, RETURNS & RESILIENCE



ADVANCED MATERIALS

Providing solutions for sustainable mobility, lightweighting, CO_2 and energy efficiency



ADVANCED FORMULATIONS

Customized specialty formulations in surface chemistry and liquid behavior, maximizing yield & efficiency, minimizing eco impact



PERFORMANCE CHEMICALS & FUNCTIONAL POLYMERS

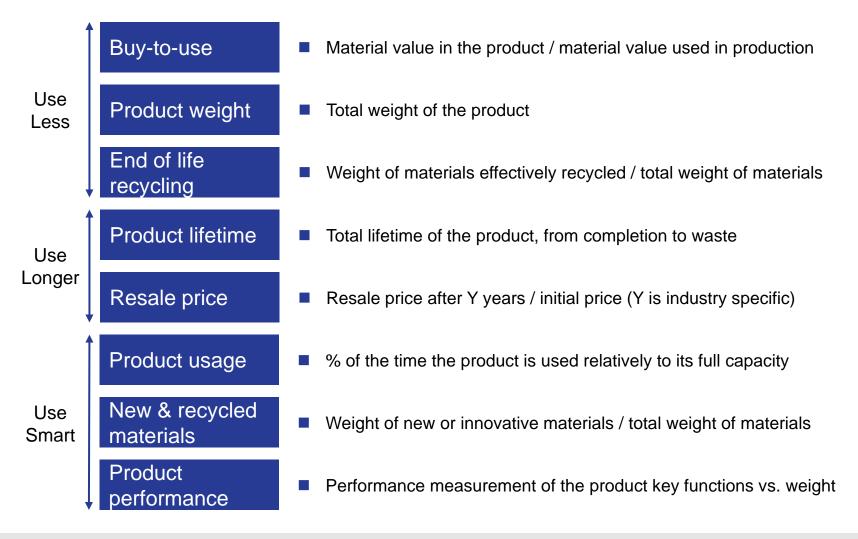
Leading positions in chemical intermediates through scale and technology, developing innovative application and industrial innovation for optimized costs







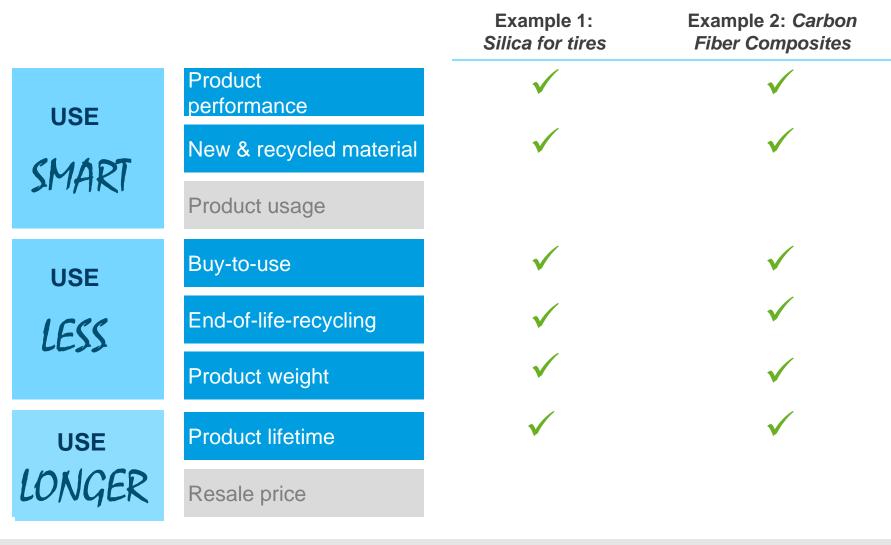
WMF PROPOSED 8 PRELIMINARY KPIS FOR MATERIAL EFFICIENCY...







... OF WHICH 6 KPIS ARE RELEVANT FOR SOLVAY USE SMART KEY KPI FOR SOLVAY AS SOLUTION PROVIDER

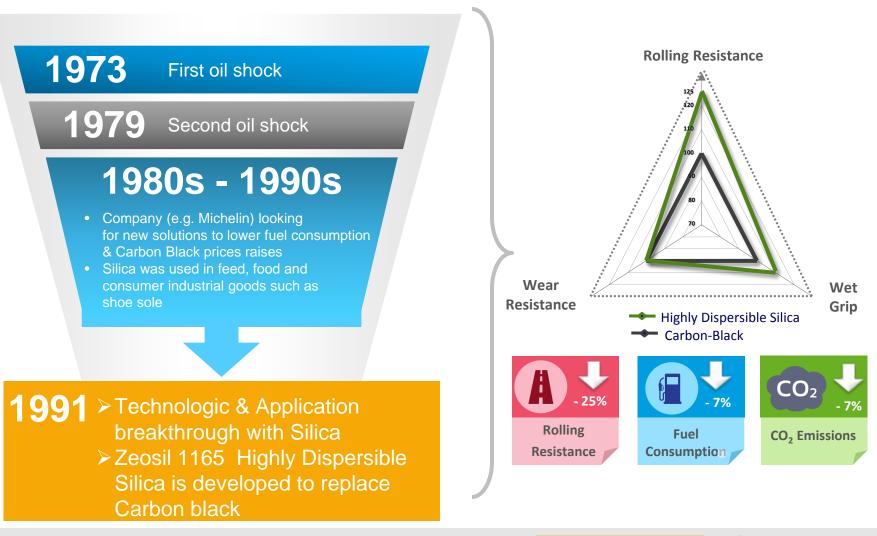


: Relevant KPI for Solvay



Case study 1

SOLVAY INTRODUCED SILICA AS BREAKTHROUGH TECHNO TO IMPROVE TIRE PERFORMANCES



6 WMF 2017 29/6/2017

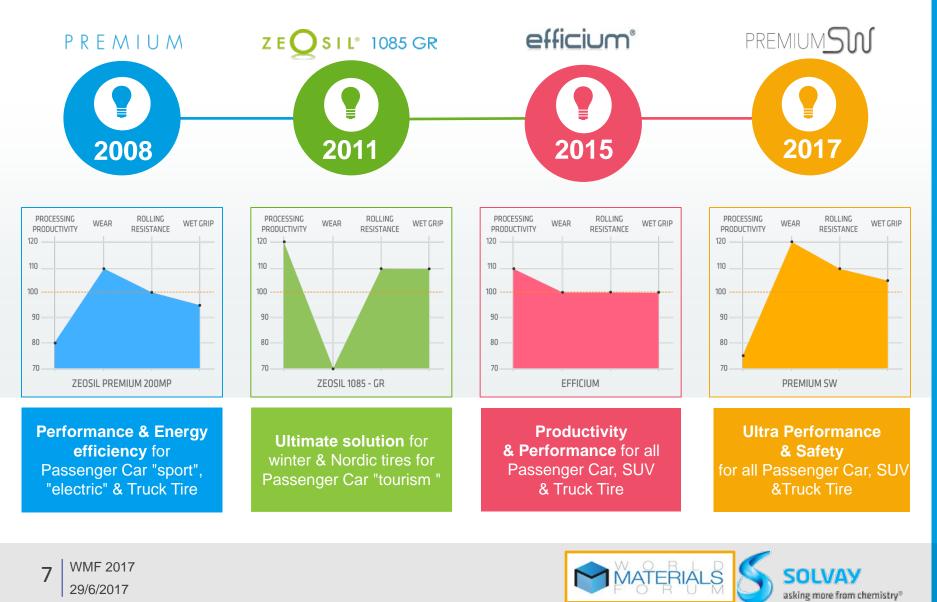




Case study 1



OUR CONSTANT INNOVATION RESULTS IN SMARTER PRODUCTS WITH LONGER LIFETIME FOR OUR CLIENTS



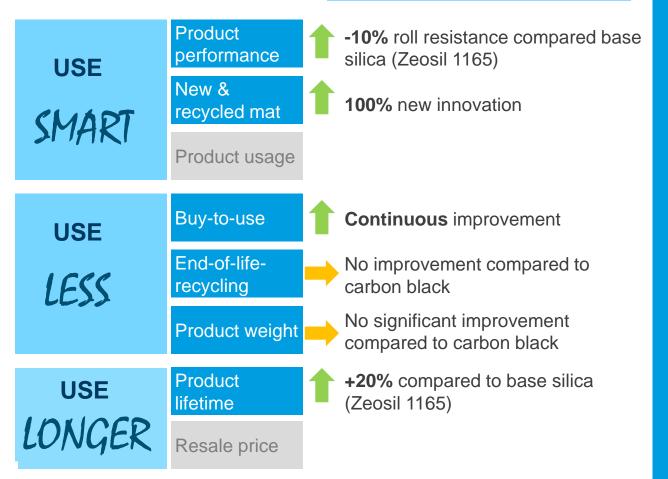
Case study 1



KPIs for latest innovation Premium SW

Innovation

- Product (Dispersibility & surface area)
- Process



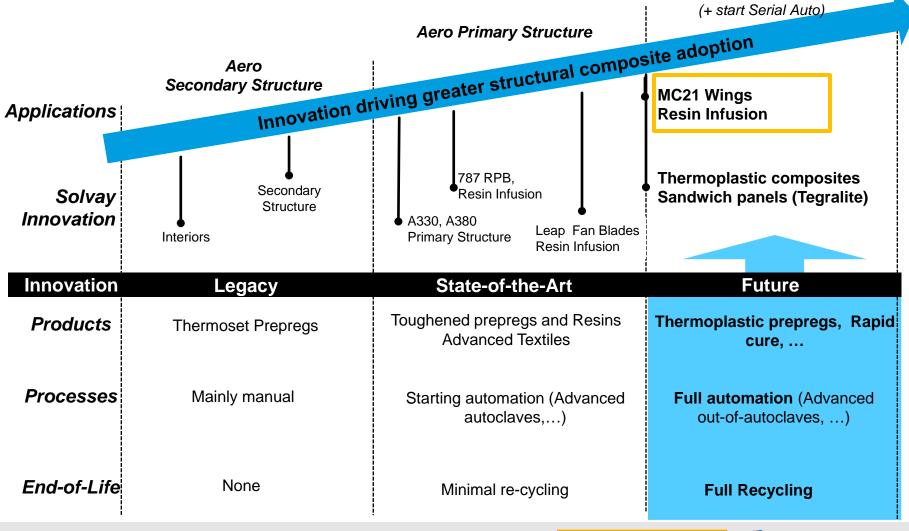








AERO CARBON COMPOSITE INDUSTRIALIZATION: GREATER ADOPTION + BETTER MATERIAL EFFICIENCY All Aerostructures











Intensive collaboration between Solvay, UAC and AeroComposit resulted in breakthrough resin infusion technology for advanced Aero primary structures

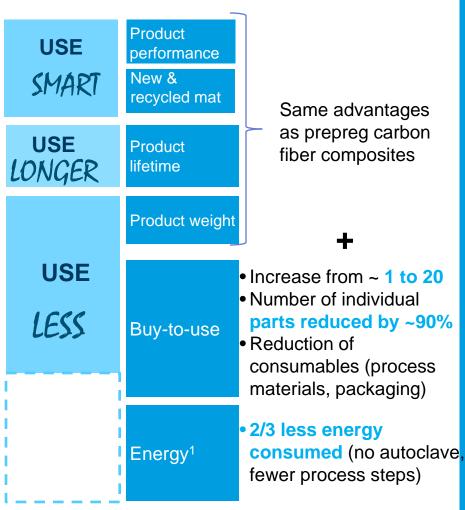
More design flexibility

 Allows manufacturing of large, complex and integrated parts

More manufacturing throughput

• Faster and less manufacturing steps







isking more from chemistry®

MATERIAL EFFICIENCY EMBEDDED IN OUR STRATEGY <i>RAW MATERIAL INTENSITY DECREASED WITH 50% OVER 3 YEARS</i>					
use SMART	Key lever in our innovation strategy to develop more performant solutions hand in hand with our customers				
USE LESS	 - "Use less" is part of our core DNA ("license to operate") by continuously improving our operational efficiency - Our lightweight solutions allow our customers to use less material 				
USE LONGER	We create durable products helping to increase lifetime of our customers' products				
Solvay aims to decouple growth in value added from material consumption					
		2013	2016	Δ	
REBITDA (bn€)		1,6	2,3	+40%	
Raw material (mT)		9,2	6,5	-30%	
Ra	w material / REBITDA	5,8	2,9	-50%	
11 WMF 2017					

29/6/2017



asking more from chemistry®