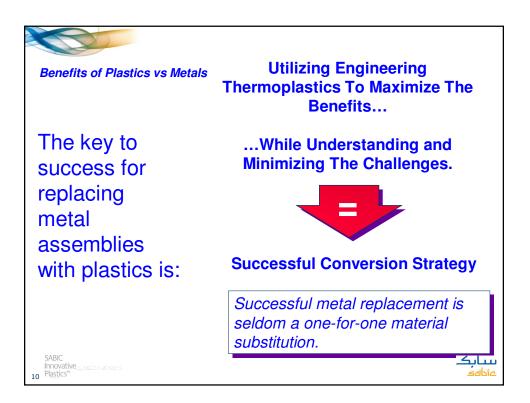
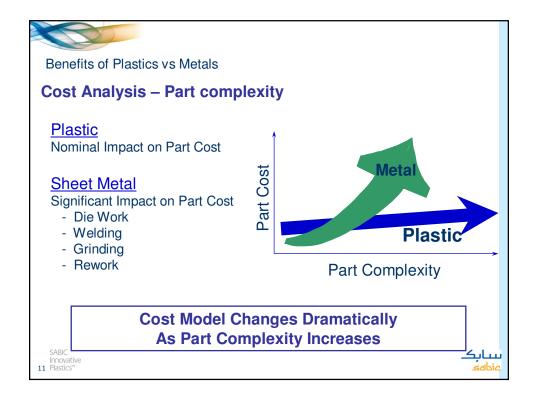


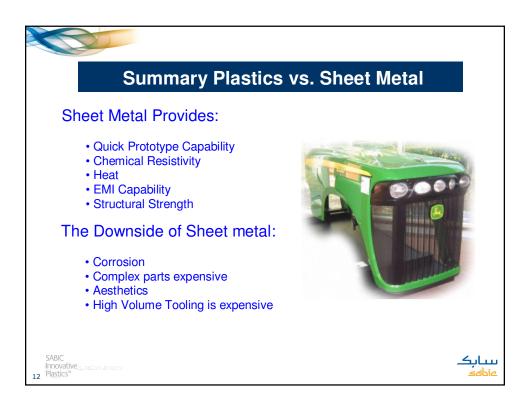


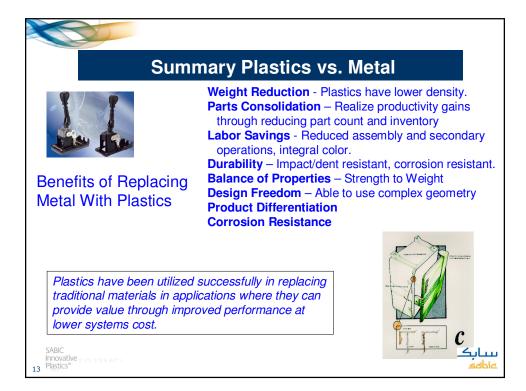
Benefits of Plastics vs Metals				
Performance Advantages	Plastics	<u>Metal</u>		
 Weight (stiffness to weight ratio) 	X			
Design freedom	X			
Functionality	X			
Styling freedom	X			
Dent resistance	X			
Corrosion resistance	X			
Sound absorption	X			
Structural strength		X		
Thin walls		X		
Chemical resistance		X		
Heat resistance		X		
Conductivity (thermal and electrical)		X		
Shielding		x		
-				
SABIC Innovative.g.rector at erors 8 Plastics*			مرابد فظلم	

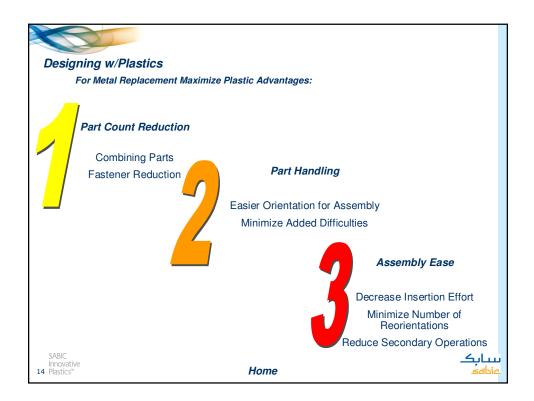


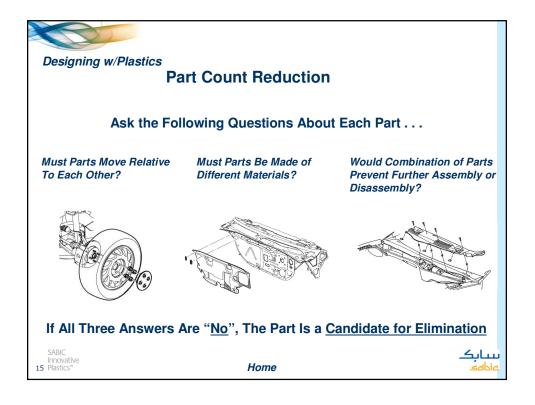


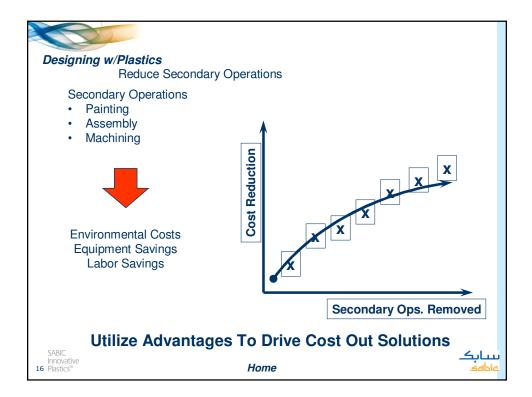


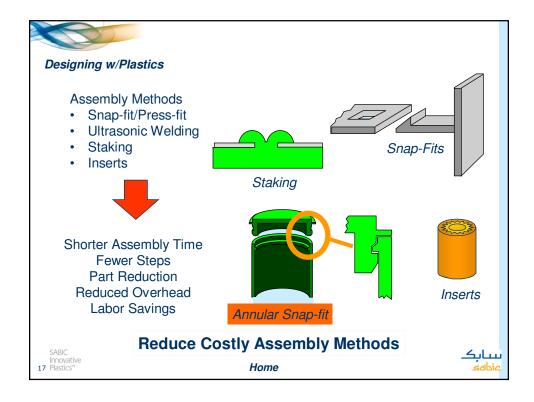


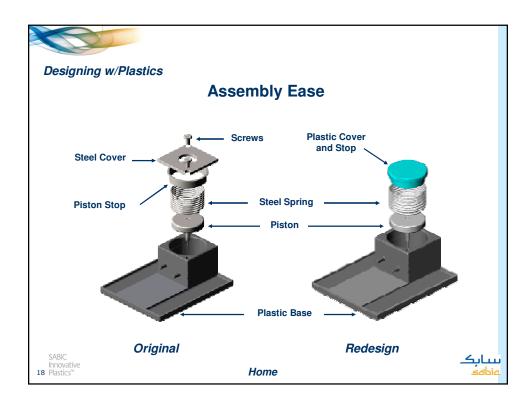


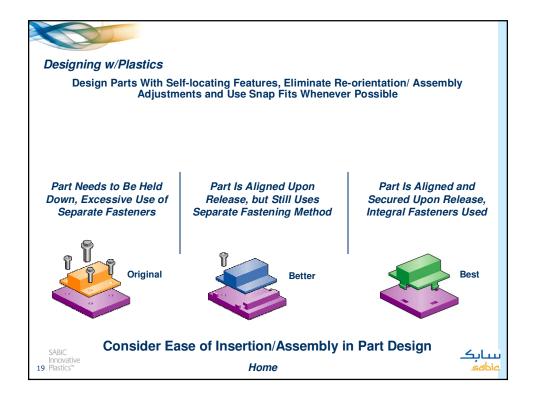


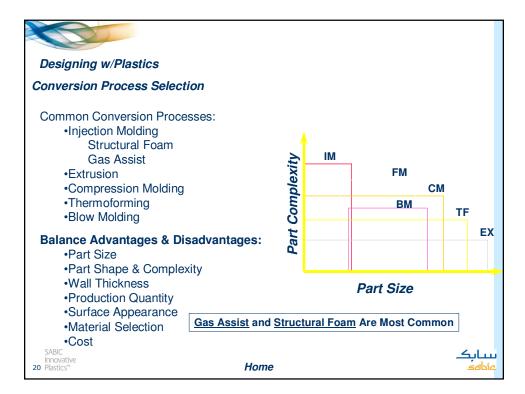


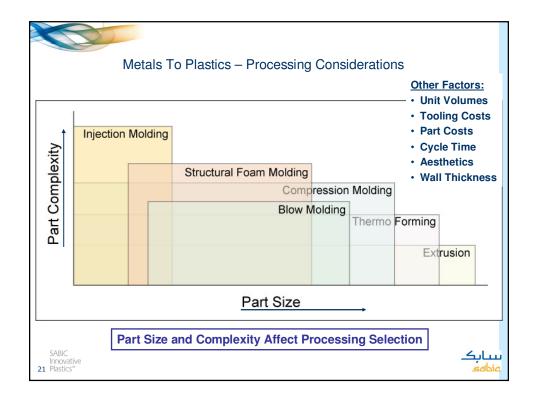




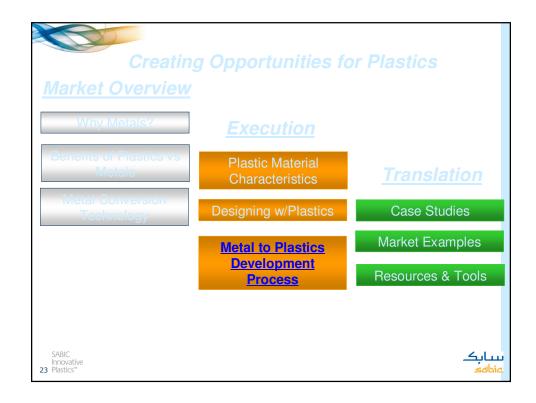


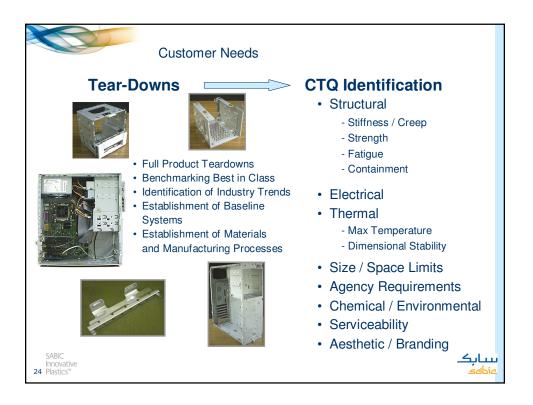












Teardown Preparation	TEAR DOWN– P	REPARATION LIST
Preparation: • Confidentiality Agreement • NDA (Take Pictures) • Ask Engineers to Assist Tear D • Tear Down Preparation List • Tear Down Data Sheet (*.XIs-file		 Pictures of complete assemblies Pictures of sub assemblies and how they are retrieved from the complete assembly Place, Position Work from one side to the other Picture all sides if needed Mind connection points / techniques Vertical or horizontal Think of next generation design, write down ideas on improvement.
CNM: • Main CTQs • Functionality • Opportunity	Tools (Measurement) ?? Spring rule (rolmaat) ?? Weighing scale ?? Marking gauge (schuifmaat) ?? Tools ?? Notebook, pen, white tape, color markers, ?? Torque set (green box) + multi handle ?? Storage box for screws, bolts, nut, ?? Lab coats, hand gloves	 ?? Per part: Length, width, depth, height, thickness, distances, flexibility, quality, color, , ?? Per sub assembly: Product information, volume, modularity or lose parts? ?? Weight ?? Volumes ?? Generic notes ?? Any particular notes ??
SABIC Innovative 25 Plastics**	 ?? Magnet ?? Picklock (steeksleutel) ?? Battery Drill ?? Weigh- Beam (unster) Identification ?? Parts, sub-assemblies? ?? Functionality? ?? Material used? ?? 	 ?? ?? Functionality of part? ?? Standardization / customization? ?? Connections (snap fits, screws, weld, etc) ?? EMC shielding, airflow, conductive materials, water, sounds, vibrations, gases, vermin, ?? Closing mechanisms

