

**Expert Session 1 – Workshop1**  
Commercialisation Roadmap  
Perspectives and Gaps for Hydrogen Storage

Cost Reduction Perspectives  
Guy Dupupet, Toray Soficar



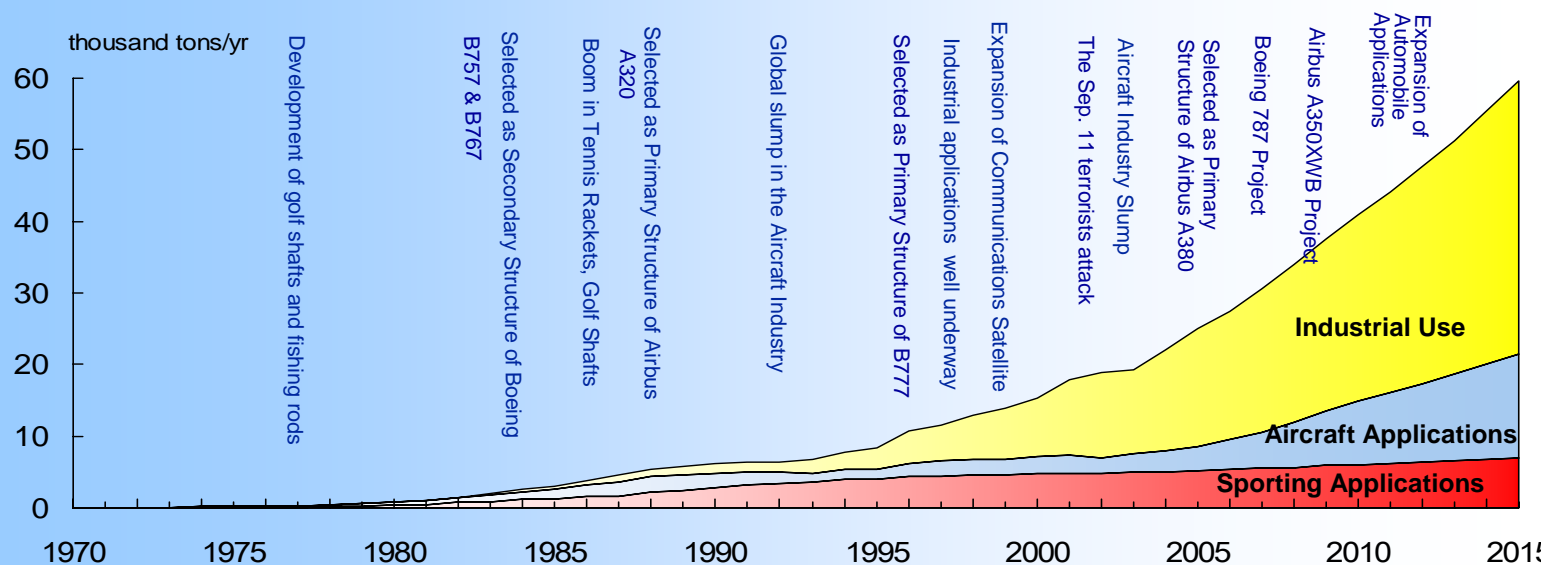
**STORHY**  
**FINAL EVENT**

**June 3-4, 2008**  
**Poissy, France**

# Carbon fiber market evolution



<b>Introduction Period (1971 – 1983)</b>	<b>Growth Period (1984 – 1993)</b>	<b>Expansion Period(1994– 2003)</b>	<b>Full-scale Expansion Period (2004 -)</b>
--	------------------------------------	-------------------------------------	---



<b>Applications</b>	<b>Limited Area</b> Fishing rods  Secondary structure of Aircrafts	<b>Expand Applications</b> Tennis rackets Golf shafts  Primary structure of Aircrafts	<b>Industrial Uses under way</b> Pressure vessels Industrial machinery, Boats & ships, Civil engineering and Construction, Repair and Reinforcement	<b>Huge Expansion of Aircrafts Automobiles under way</b> Significant Aircraft Program Wind-power Generation Automobile-related, Offshore Oil Field
	<b>Notes</b>	High-quality	Increase of products, Advancement in moulding technology	Cost reduction Large structural material

# Torayca® carbon fiber properties

