

### Carbon Fiber - The Future Material for Automobile

Mr. Danu Chotikapanich

CEO, Cobra International Co., Ltd.

E-mail : [danu00@gmail.com](mailto:danu00@gmail.com)

#### Abstracts

Carbon Fiber has achieved a key milestone in the automotive industry with the commercialization of the BMW i3 in 2013. So far, weight reduction has been the key driver in the development of carbon fiber application. It is estimated that by 2018/2019 it should be cost competitive to produce the car chassis from carbon fiber for vehicle series of up to 40,000 units (JEC: 2011).

The automotive industry is however only beginning to learn about many other benefits of carbon fiber composites. The decades to come will reveal the real possibilities that can be achieved using carbon fiber.

This presentation will depict the current status of carbon fiber usage in the automotive industry, exploring techniques that will get the most benefits out of carbon fiber composites, and suggest the way the industry will eventually overcome the challenges of cost, cycle time, and recyclability.

#### Biography



##### Education:

- 2002 –2004 Technical University Hamburg-Harburg, Hamburg, Germany  
Master of Science in International Production Management
- 2002 –2004 Northern Institute of Technology, Hamburg, Germany  
Professional Master in Global Technology Management
- 1998 –2002 Chulalongkorn University, Bangkok, Thailand  
Bachelor of Engineering in Industrial Engineering

##### Experiences:

- 2004 – Current Cobra International Co. Ltd. Chonburi, Thailand  
Chief Executive Officer (October 2005 – Current)  
Assistant General Manager (October 2004 – September 2005)
- 2003 – 2004 EADS Airbus, Hamburg, Germany  
Internship - Project Assistant

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