

Excursion 1

Visit to the

Institute of Lightweight Engineering and Polymer Technology,
Technische Universität Dresden

and the

Volkswagen *Gläserne Manufaktur* – a car factory in the center of town

Register [here](#) today

Date	Time	Location
Friday, 25 May 2012	14:00 – 17:00	Dresden
Meeting Point	Meeting Time	Transfer
Dresden Hilton Hotel Main Reception	14:00	Hired bus
	Language	
	English	

Part 1) Visit to the Institute of Lightweight Engineering and Polymer Technology, TU Dresden

The Institute of Lightweight Engineering and Polymer Technology (ILK) carries out extensive research and development projects in the field of load-conform lightweight structures and systems. Such projects are based on a cross-material, cross-product approach which deals with the entire “material, design, simulation, assembly, prototype testing, cost” value chain.

The ILK aims at developing design rules and optimization criteria for lightweight components, especially for high-performance purposes. Here, a special focus is set on multi-material design. For the calculation and simulation of lightweight structures under static and dynamic (crash) loads, specially developed software tools based on analytical methods are applied as well as commercially available FEA software systems.

Part 2) Visit to the Volkswagen Transparent Factory

Visit the production site of the Volkswagen Phaeton – in the middle of Dresden. The manufactory combines innovative automobile construction and traditional values of manufactories in a distinct open and transparent building. The Phaeton is Volkswagen’s luxury car which has been produced here since 2001. The manufactory has established itself as a successful statement of the connection of technology and culture and you can take in the entire production process, from customer care to final assembly, temporary storage of the vehicles in the vehicle tower and handover in the customer lobby.

This is a guided tour in English. Please note that this tour is limited to 30 spaces on a first come first serve basis. Register for the tour or at the Tour Registration Desk at the Hilton Hotel from 22-25 May 2012 here: <http://goo.gl/VkunL>.