

NoAE Innovations-Competition 2010

Topic cluster 4	
Heading	Efficient and flexible Production
Description	An optimal manufacturing process in the automobile industry is an important competitive factor. Changes in processes, methods, technologies and procedures are being sought for which contribute to making production more efficient and also more flexible . Due to lightweight construction, mixed construction, alternative powertrains and demographic changes in assembly, etc., production solutions must be found for changes in the product as well as for new fields of activity .
Key points and sub-items	<ul style="list-style-type: none"> • New production processes for alternative powertrains, e.g. in the electric motor, batteries, ... • New safeguard processes for an increase in quality as well as quality assurance, especially with testing methods for alternative powertrains (e.g. high-voltage technology), new inspection methods, techniques, non-destructive testing, ... • How do value creation strategies, technological competence and cooperation between OEMs, suppliers and service providers develop within their own and between other sectors? • What does the future hold for shifts in value creation? How far will this go and what still makes sense? Are there alternatives and if so, what are they? • Optimisation of the CO2 balance in production
Where are innovations found?	<ul style="list-style-type: none"> • Entire production chains, at OEM as well as at the suppliers, from level 1 to level N • Solutions from other industries • New production processes/methods with a level of development between a prototype and the current level but not yet at the status of industrial, robust processes
Cluster moderation:	Thorsten Matusche, VALCON Group