

## Concurso de Innovaciones NoAE 2010

<b>Topic cluster 4</b>	
<b>Heading</b>	<b>Efficient and flexible Production</b>
<b>Description</b>	An optimal <b>manufacturing process</b> in the automobile industry is an important competitive factor. <b>Changes in processes, methods, technologies and procedures</b> are being sought for which contribute to making <b>production more efficient</b> and also <b>more flexible</b> . 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 <b>new fields of activity</b> .
<b>Key points and sub-items</b>	<ul style="list-style-type: none"> <li>• New production processes for alternative powertrains, e.g. in the electric motor, batteries, ...</li> <li>• 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, ...</li> <li>• How do value creation strategies, technological competence and cooperation between OEMs, suppliers and service providers develop within their own and between other sectors?</li> <li>• 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?</li> <li>• Optimisation of the CO2 balance in production</li> </ul>
<b>Where are innovations found?</b>	<ul style="list-style-type: none"> <li>• Entire production chains, at OEM as well as at the suppliers, from level 1 to level N</li> <li>• Solutions from other industries</li> <li>• 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</li> </ul>
<b>Cluster moderation:</b>	Thorsten Matusche, VALCON Group



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